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U. S. DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU.

SNOW AND ICE BULLETIN.

PUBLISHED BY AUTHORITY OF THE SECRETARY OF AGRICULTURE.

Willis L. Moore, Chief U. S. Weather Bureau.

NOTE.—This bulletin is issued weekly on Tuesdays during the winter season, based upon data from regular Weather Bureau stations, supplemented by reports from selected cooperative observers. Shaded portions represent area covered with snow; lines indicate depth, in inches.

As far as practicable, all reports of snow and ice are printed in the table, but the limited space may not always permit this to be done.

WASHINGTON, D. C., *December 5, 1905.*

DEPTH OF SNOW.

At 8 p. m., December 4, 1905, the country from the northern Rocky Mountain region eastward to and including the northern portion of the upper Lake region was covered with snow, generally ranging in depths from 3 to 12 inches, portions of the Dakotas and northern Minesota and the upper Michigan Peninsula being covered to depths ranging from 12 to 20 inches. The eastern portion of the lower Lake region and the interior of northern New England were also covered, the depths ranging from 3 to 8 inches.

In all northern districts there is more snow than there was at the corresponding date of 1904, but over the middle Rocky Mountain slope and the eastern portions of the southern Plateau region there is less. In the northern Rocky Mountain region and over the upper Missouri and Red River of the North valleys and upper Lake region the increase generally ranges from 3 to 15 inches.

ICE IN RIVERS, HARBORS, ETC.

In New England and the southern portion of the Lake region there is less ice than there was at the corresponding date of 1904, but in the northern part of the upper Lake region and in the Red River of the North and upper Missouri rivers there is more. In the upper Missouri River ice ranges from 3 to 8.5 inches between Williston, N. Dak., and Pierre, S. Dak., with light ice running at Sioux City, Iowa, and the river practically closed at Omaha, Nebr. The upper Mississippi River is frozen at St. Paul, Minn., and La Crosse, Wis., with much floating ice at Davenport, Iowa, and Hannibal, Mo.

The following special reports have been received by telegraph:

Gardiner, Me., December 4.—Ice floating with the tide in the Kennebec.
Albany, N. Y., December 5.—Freshet conditions, with floating ice, in Hudson and Mohawk rivers.
Escanaba, Mich., December 4.—Some shore ice.
Davenport, Iowa, December 4.—Much floating ice.
Hannibal, Mo., December 4.—River nearly full of floating ice.
Sioux City, Iowa, December 5.—Light ice running.
Omaha, Nebr., December 4.—River practically closed; thin shore ice formed to channel.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., DECEMBER 4, 1905.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	6	.....
Colorado.		
Durango	1	.....
Grand Junction	T.	.....
Idaho.		
Boise	T.	.....
Illinois.		
Ashton	T.	.....
Chicago	1	.....
La Salle	T.	.....
Minonk	T.	.....
Peoria	T.	0.0
Springfield	1	.....
Indiana.		
Indianapolis	T.	.....
Lafayette	T.	.....
Laporte	2	.....
Marion	1	.....
Rockville	T.	.....
Iowa.		
Atlantic	1	.....
Boone	T.	.....
Carroll	1	.....
Charles City	T.	.....
Des Moines	T.	4.0
Dubuque	T.	0.0
Forest City	T.	.....
Sioux City	1	0.0
Kansas.		
Concordia	T.	.....
Kentucky.		
Catlettsburg	T.	.....
Maine.		
Bangor	.....	2.0
Eastport	1	1.0
Gardiner	T.	1.0
Lewiston	T.	3.0
Millinocket	2	.....
Orono	T.	.....
Michigan.		
Alpena	4	2.0
Battle Creek	3	.....
Big Rapids	3	.....
Calumet	20	.....
Carsonville	1	.....
Chatham	9	.....
Detroit	1	0.0
Escanaba	4	0.0
Gladwin	4	.....
Grand Haven	4	0.0
Grand Rapids	2	.....
Houghton	19	2.0
Humboldt	12	.....
Iron River	12	.....
Lansing	3	.....
Mancelona	5	.....
Marquette	17	0.0
Port Huron	1	0.5
Saginaw	2	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
Michigan—Cont'd.	*Inches*	*Inches*
Sault Ste. Marie	6	0.0
St. Ignace	3	.....
South Haven	1	.....
Minnesota.		
Alexandria	10	.....
Detroit City	12	.....
Duluth	8	7.0
Hinckley	11	.....
Little Falls	8	.....
Maple Plain	8	.....
Minneapolis	4	.....
Moorhead	17	8.0
St. Paul	3	†
Missouri.		
Columbia	T.	.....
Hannibal	T.	0.0
Montana.		
Havre	5	.....
Helena	5	.....
Kalispell	10	.....
Miles City	3	.....
Nebraska.		
Columbus	T.	.....
Hebron	T.	.....
Lincoln	T.	.....
Minden	T.	.....
North Platte	T.	.....
Oakdale	T.	.....
Omaha	1	*
Tekamah	T.	.....
York	T.	.....
Nevada.		
Winnemucca	2	.....
New Hampshire.		
Bethlehem	3	.....
Concord	T.	0.0
Hanover	T.	.....
New York.		
Addison	3	.....
Albany	T.	0.0
Auburn	4	.....
Beaver	5	.....
Binghamton	T.	.....
Buffalo	2	0.0
Cooperstown	1	.....
DeRuyter	8	.....
Franklinville	8	.....
Geneva	5	.....
Herkimer	T.	.....
Ithaca	4	.....
Jamestown	4	.....
Lowville	2	.....
Malone	5	.....
Ogdensburg	2	.....
Oswego	T.	0.0
Rochester	4	0.0
Syracuse	8	.....
Watertown	2	.....
Wedgwood	8	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
North Dakota.	*Inches*	*Inches*
Bismarck	8	7.0
Williston	4	9.0
Ohio.		
Bangorville	T.	.....
Cincinnati	T.	0.0
Cleveland	T.	0.0
Coalton	1	.....
Garrettsville	1	.....
Greenville	T.	.....
Manara	T.	.....
Portsmouth	T.	.....
Tiffin	T.	.....
Toledo	T.	0.0
Wauseon	2	.....
Oregon.		
Baker City	1	.....
Pennsylvania.		
Aleppo	1	.....
Claysville	2	.....
Erie	4	0.0
Pittsburg	T.	0.0
St. Marys	4	.....
Saegerstown	2	.....
Somerset	T.	.....
South Dakota.		
Huron	1	8.0
Pierre	3	8.5
Rapid City	1	.....
Yankton	4	0.0
Utah.		
Modena	T.	.....
Salt Lake City	1	.....
Vermont.		
Brattleboro	1	1.0
Burlington	4	.....
Northfield	6	.....
Virginia.		
Blacksburg	T.	.....
Washington.		
Spokane	3	.....
Walla Walla	T.	.....
West Virginia.		
Elkins	1	0.0
Parkersburg	T.	0.0
Wisconsin.		
Ashland	1	.....
Burnett	1	.....
Grand Rapids	2	.....
Green Bay	T.	2.0
La Crosse	T.	†
Medford	4	.....
Milwaukee	1	0.0
Portage	1	.....
Stevens Point	5	.....
Wyoming.		
Lander	4	.....
Yellowstone Park	6	.....

* Shore ice. † River frozen. T. indicates trace.

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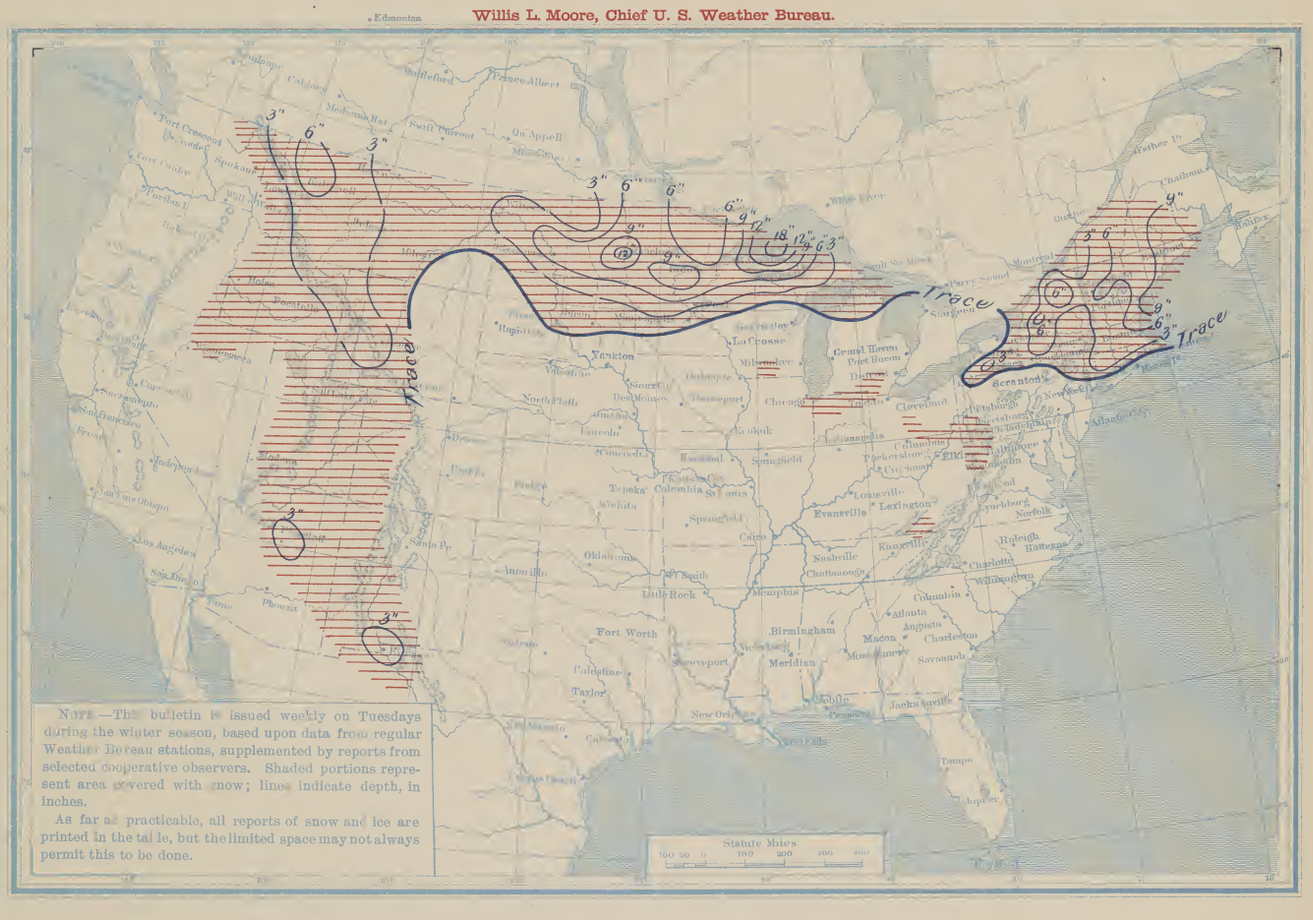
W375 Dec. 12, 1905

U. S. DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU.

SNOW AND ICE BULLETIN.

PUBLISHED BY AUTHORITY OF THE SECRETARY OF AGRICULTURE.

Willis L. Moore, Chief U. S. Weather Bureau.



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WASHINGTON, D. C., *December 12, 1905.*

DEPTH OF SNOW.

Between the northern Rocky Mountain region and the lower Lakes the area covered with snow at 8 p. m., December 11, 1905, was much smaller than at the same hour on the 4th instant, and in the area covered the depths generally ranged from one inch to nine inches less. In New England and over the Middle and Southern Rocky Mountain regions both the area covered and the depths reported on the 11th were greater than on the 4th, the increase along the New England coast ranging from three to nine inches. The depth of four inches reported from El Paso, Texas, is very unusual for that station.

At the corresponding date of 1904 there was much less snow than at this date in the central and northern Rocky Mountain region, but in the upper Mississippi and lower Missouri valleys eastward to the Middle Atlantic and New England coasts the depths ranged from 1 to 6 inches, the greater part of this area being now without snow. There is now, however, more snow in northern New England and in the upper Missouri and Red River of the North valleys than there was at the corresponding date of 1904.

ICE IN RIVERS, HARBORS, ETC.

In the Missouri River ice ranges from 7.5 inches at Pierre, S. Dak., to 12 inches at Bismarck, N. Dak., and Williston, N. Dak., the two last-mentioned stations reporting 5 and 3 inches, respectively, more than on December 4, 1905. Light floating ice is reported from Sioux City, Iowa, and a thickness of 0.5 inch from Omaha, Nebr. There is as yet very little ice in the upper Mississippi River. In the rivers of New England ice generally ranges from 2 to 5 inches, and is from 1 to 2 inches thicker than it was in the previous week.

The following special reports have been received by telegraph:

Gardiner, Me., December 11.—The ice fields in the Kennebec between Gardiner and Iceboro are closed in good condition and below the drifting snow is being worked out by the ice men.

Albany, N. Y., December 12.—Snow in Hudson and Mohawk valleys ranges from 1 to 3 inches. Floating ice in Hudson and Mohawk rivers.

Escanaba, Mich., December 11.—Shore ice.

Davenport, Iowa, December 11.—Some floating ice.

Omaha, Nebr., December 11.—Shore ice. Small ice running.

Sioux City, Iowa, December 12.—Light ice running.

At the corresponding date of 1904 there was much more ice in the Lake region and in the rivers and streams of the northern portion of the Middle Atlantic States and New England; but there was less than there is now in the upper Missouri River and in the Red River of the North.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., DECEMBER 11, 1905.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	4	.....
Colorado.		
Durango	T.	.....
Grand Junction	T.	.....
Connecticut.		
Hartford	2	0.0
New Haven	3	.....
Storrs	7	.....
West Simsbury	3	.....
Idaho.		
Boise	T.	.....
Pocatello	T.	2.5
Illinois.		
Chicago	T.	.....
Indiana.		
Laporte	T.	.....
Syracuse	1	.....
Iowa.		
Davenport	.....	†
Sioux City	.....	†
Maine.		
Bangor	10	3.5
Buckfield	6	.....
Cornish	4	.....
Eastport	9	2.5
Gardiner	6	2.0
Lewiston	5	5.0
Millinocket	9	.....
Portland	9	.....
Massachusetts.		
Adams	3	.....
Amherst	2	.....
Boston	3	.....
Concord	9	.....
Fitchburg	5	.....
Mansfield	3	.....
Nantucket	T.	0.0
Michigan.		
Alpena	T.	1.5
Ann Arbor	T.	.....
Calumet	18	.....
Escanaba	1	*
Grand Marais	2	.....
Houghton	10	2.0
Humboldt	16	.....
Mancelona	2	.....
Marquette	8	0.0
Sault Ste. Marie	2	0.0
Michigan—Cont'd.	*Inches*	*Inches*
South Haven	T.	.....
Minnesota.		
Alexandria	9	.....
Crookston	6	.....
Detroit City	7	.....
Duluth	3	8.0
Hinckley	9	.....
Maple Plain	5	.....
Minneapolis	1	.....
Moorhead	12	10.0
Morris	4	.....
St. Paul	1	0.0
Montana.		
Havre	2	.....
Helena	4	.....
Kalispell	6	.....
Miles City	T.	.....
Nebraska.		
Omaha	.....	0.5
Nevada.		
Winnemucca	T.	.....
New Hampshire.		
Bethlehem	7	.....
Concord	5	0.0
Durham	7	.....
Hanover	3	.....
Keene	3	.....
New York.		
Addison	T.	.....
Albany	2	0.0
Auburn	T.	.....
Beaver	6	.....
Binghamton	T.	.....
Cooperstown	T.	.....
DeRuyter	5	.....
Franklinville	3	.....
Herkimer	T.	.....
Ithaca	T.	.....
Jamestown	T.	.....
Lowville	2	.....
Malone	4	.....
Ogdensburg	2	.....
Oswegatchie	6	.....
Oswego	T.	0.0
Plattsburg	2	.....
Port Jervis	1	.....
Rome	4	.....
Saranac Lake	8	.....
New York—Cont'd.	*Inches*	*Inches*
Saratoga	1	.....
Syracuse	T.	.....
Watertown	2	.....
Wedgwood	1	.....
North Dakota.		
Bismarck	8	12.0
Devils Lake	2	.....
Williston	3	12.0
Ohio.		
Bangorville	T.	.....
Philo	T.	.....
Wauseon	T.	.....
Pennsylvania.		
Aleppo	T.	.....
Claysville	T.	.....
Saegerstown	T.	.....
Somerset	1	.....
Rhode Island.		
Narragansett	T.	.....
Providence	3	0.0
South Dakota.		
Huron	T.	10.0
Pierre	1	7.5
Texas.		
El Paso	4	0.0
Utah.		
Modena	T.	.....
Salt Lake City	1	.....
Vermont.		
Brattleboro	4	3.0
Burlington	3	.....
Northfield	6	.....
St. Johnsbury	4	.....
Virginia.		
Wytheville	T.	.....
Washington.		
Spokane	1	.....
West Virginia.		
Elkins	T.	0.0
Grafton	T.	.....
Wisconsin.		
Barron	5	.....
Green Bay	.....	1.0
Medford	2	.....
Mount Horeb	T.	.....
Wyoming.		
Lander	4	.....
Yellowstone Park	4	.....

* Shore ice. † Floating ice. T. indicates trace.

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Trace
Trace
Trace
Trace
Statute Miles
100 50 0 100 200 300 400
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WASHINGTON, D. C., *December 19, 1905.*

DEPTH OF SNOW.

Except over the southern Rocky Mountain region, where considerable snow has disappeared during the week, the area covered at 8 p. m., December 18, 1905, was much the same as at the corresponding hour on the 11th instant, although diminished depths are indicated over the northern districts westward of the upper Lake region and along the New England coast. A comparatively small area, embracing the mountain regions of the Middle Atlantic States, where there was practically no snow on the 11th instant, was covered to depths ranging from 3 to 6 inches at 8 p. m. on the 18th. Increased depths are reported from the eastern portion of the lower Lake region and over the interior of northern New England.

As in the preceding week the snow area is much smaller than it was at the corresponding date of 1904, when the central valleys, southern portion of the Lake region, and Middle Atlantic States were covered to depths ranging from 1 to 6 inches, with traces as far south as North Carolina.

ICE IN RIVERS, HARBORS, ETC.

In the rivers of northern New England the thickness of ice at 8 p. m., December 18, 1905, ranged from 2.5 to 7.5 inches, an increase of from 2.5 to 4 inches over the reports of the 11th instant. A general increase is also indicated by the reports from stations on the Great Lakes as well as by those received from stations on the upper Missouri River and Red River of the North. The situation in the upper Mississippi, where there is as yet very little ice, remains practically unchanged as compared with the previous week.

The following special reports have been received by telegraph:

Gardiner, Me., December 18.—Ice six inches thick and fields in fine condition; harvesting will commence on twelve inches. Weather very favorable for lumber operations.

Albany, N. Y., December 19.—Ice in the Mohawk River is about two inches thick, with little snow in Mohawk Valley; in the Hudson River ice is about three inches thick, and snow ranges from trace at Athens to one inch at Corinth.

Hannibal, Mo., December 18.—River nearly full of thin floating ice.

Escanaba, Mich., December 18.—Much floating ice.

Davenport, Iowa, December 18.—Little floating ice.

Omaha, Nebr., December 18.—River practically clear; small quantity of light ice running.

Washington, D. C., December 18.—Thin floating ice in river.

There is now much less ice than there was at the corresponding date of 1904 in the central Missouri and upper Mississippi rivers and in all northern districts to the eastward. On December 19, 1904, ice was 9 inches thick in the Mississippi at Saint Paul, where there is practically none at this date and it was 6.5 inches thick in the Scioto River at Columbus, Ohio, and 7 inches thick in the Susquehanna River at Harrisburg, Pa., where none is now reported. In the rivers of New England there is now from 3 to 10 inches less ice than there was at the corresponding date in 1904, but in the upper Missouri River there is now considerably more ice than at the same date last year.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., DECEMBER 18, 1905.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	2	.....
Colorado.		
Durango	T.	.....
Connecticut.		
Hartford	1	0.0
New Haven	T.	.....
West Simsbury	2	.....
Dist. of Columbia.		
Washington	1	†
Indiana.		
Laporte	T.	.....
Iowa.		
Davenport	.....	†
Des Moines	.....	5.5
Dubuque	T.	2.0
Maine.		
Bangor	8	6.5
Buckfield	6	.....
Cornish	5	.....
Eastport	2	3.0
Gardiner	7	6.0
Lewiston	6	7.5
Millinocket	11	.....
Orono	10	.....
Portland	5	.....
Maryland.		
Baltimore	3	0.0
Chewsville	6	.....
Easton	1	.....
Frederick	2	.....
Massachusetts.		
Adams	T.	.....
Amherst	T.	.....
Boston	1	.....
Concord	4	.....
Fitchburg	3	.....
Mansfield	2	.....
North Adams	3	.....
Michigan.		
Alpena	T.	2.0
Calumet	13	.....
Escanaba	1	†
Grand Marais	3	.....
Houghton	10	7.0
Humboldt	16	.....
Iron River	12	.....
Ironwood	20	.....
Marquette	?	7.0

Stations.	Snow.	Ice in rivers, harbors, etc.
Michigan—Cont'd.	*Inches*	*Inches*
Port Huron	.....	2.5
Sault Ste. Marie	2	0.0
Sidnaw	12	.....
Minnesota.		
Bird Island	2	.....
Duluth	2	8.0
Hinckley	6	.....
Little Falls	7	.....
Maple Plain	4	.....
Minneapolis	T.	.....
Moorhead	8	12.0
Morris	1	.....
St. Paul	1	0.0
Missouri.		
Hannibal	.....	†
Montana.		
Havre	2	.....
Helena	4	.....
Kalispell	4	.....
Nebraska.		
Omaha	.....	†
Nevada.		
Winnemucca	T.	.....
New Hampshire.		
Bethlehem	9	.....
Concord	4	2.5
Durham	4	.....
Hanover	3	.....
Keene	2	.....
New York.		
Addison	T.	.....
Albany	T.	2.0
Auburn	T.	.....
Beaver	9	.....
Cooperstown	T.	.....
DeRuyter	4	.....
Franklinville	2	.....
Geneva	T.	.....
Ithaca	T.	.....
Jamestown	T.	.....
Lowville	8	.....
Malone	5	.....
Oswegatchie	9	.....
Oswego	T.	4.0
Rochester	.....	1.5
Saranac Lake	11	.....
Shortsville	T.	.....
Watertown	4	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
New York—Cont'd.	*Inches*	*Inches*
Wedgwood	T.	.....
North Dakota.		
Bismarck	7	14.0
Devils Lake	1	.....
Williston	1	15.0
Ohio.		
Cincinnati	T.	0.0
Toledo	.....	2.0
Oregon.		
Baker City	1	.....
Pennsylvania.		
Aleppo	2	.....
Hanover	2	.....
Marion	T.	.....
Mifflintown	T.	.....
Philadelphia	T.	0.0
Somerset	2	.....
Towanda	T.	.....
Rhode Island.		
Providence	T.	0.0
South Dakota.		
Huron	T.	11.0
Pierre	T.	5.0
Utah.		
Salt Lake City	T.	.....
Vermont.		
Brattleboro	8	3.5
Burlington	6	.....
Northfield	6	.....
St. Johnsbury	6	.....
Virginia.		
Fredericksburg	T.	.....
Lynchburg	T.	0.0
Mount Weather	6	.....
Stephens City	6	.....
Washington.		
Spokane	T.	.....
West Virginia.		
Grafton	T.	.....
Parkersburg	T.	0.0
Wisconsin.		
Grand Rapids	6	.....
Green Bay	.....	3.0
Medford	2	.....
Wyoming.		
Lander	4	.....
Yellowstone Park	3	.....

† Floating ice. T. indicates trace.

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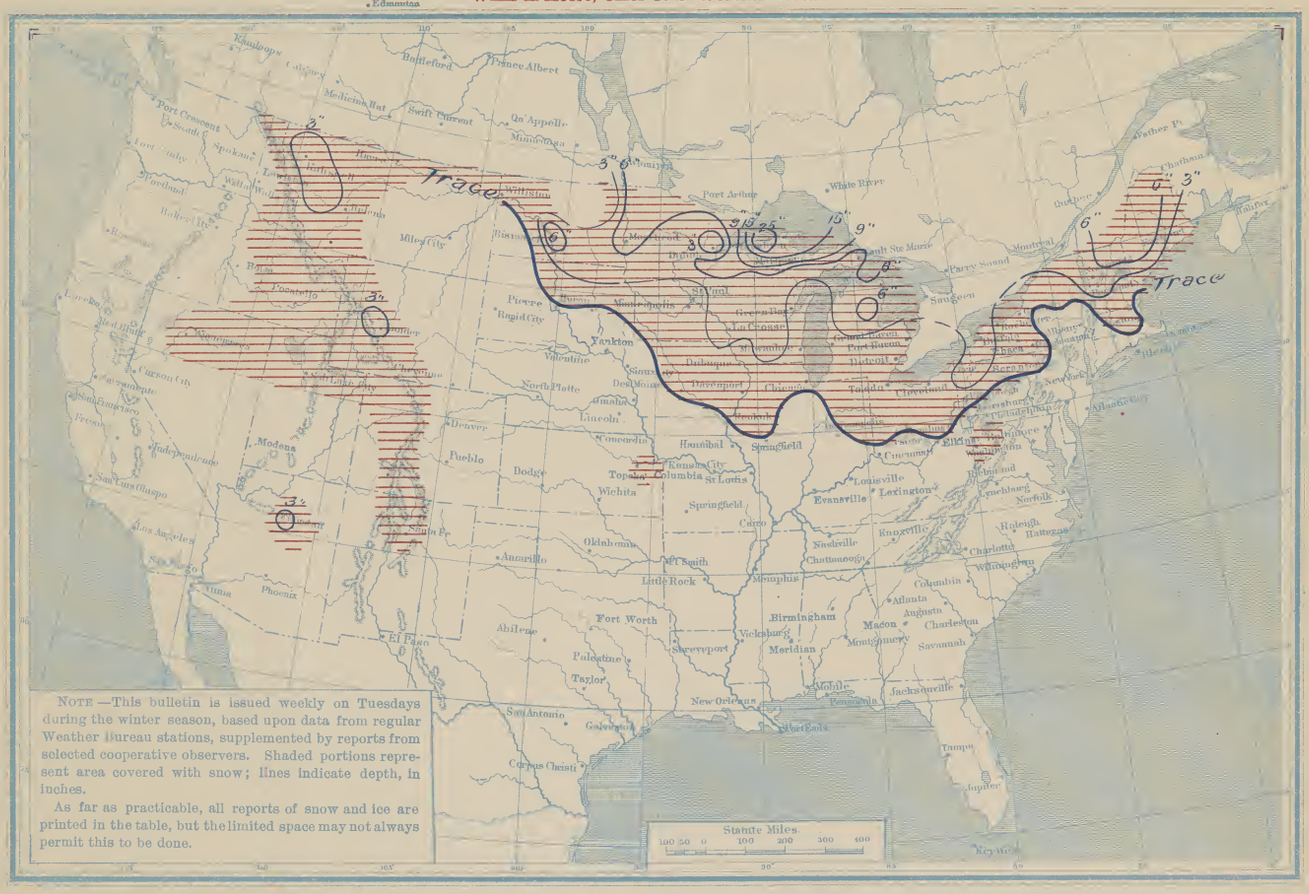

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WASHINGTON, D. C., *December 26, 1905.*

DEPTH OF SNOW.

From the upper Mississippi Valley eastward to the upper Ohio Valley and lower Lake region the southern limit of snow at 8 p. m., December 25, 1905, was from 200 to 400 miles farther south than it was at the same hour on the 18th instant, and materially increased depths were reported from the upper Lake region. During the week ending December 25, considerable snow disappeared in New England and portions of the Middle Atlantic States. In the Rocky Mountain regions the conditions are not materially changed as compared with reports of the previous week.

At the corresponding date of 1904 there were from 4 to 8 inches of snow over portions of the Middle Atlantic States and southern New England, where there is practically none now, while a large part of the Lake region and the upper Mississippi Valley, now covered, was free from snow. There was considerably more snow in the northern Rocky Mountain region on December 25, 1904, than there is at this date.

ICE IN RIVERS, HARBORS, ETC.

Under comparatively mild weather conditions there was no decided increase in ice formation in northern districts during the week ending December 25, 1905, and at some stations in the lower Lake regions and Middle Atlantic States there was less ice at 8 p. m., December 25, than was reported at the same hour on the 18th instant. In the upper Missouri ice now ranges from 4 inches at Pierre, S. Dak., to 18 inches at Bismarck, N. Dak., with floating ice at Sioux City, Iowa, and Omaha, Nebr. Reports from stations on the upper Mississippi indicate shore and floating ice only, from Hannibal, Mo., to St. Paul, Minn., except in the vicinity of Dubuque, Iowa, where ice is 8 inches thick. In the rivers of New England ice generally ranges from 6 to 10 inches, which is generally from 1.5 to 4.5 inches more than was reported on the 18th instant.

The following special reports have been received by telegraph:

Gardiner, Me., December 25.—The mild weather of last week did not change the situation. Ice fields remain firm and there is sufficient snow to carry on lumber operations.

Albany, N. Y., December 26.—Ice in the Hudson went out on the 23d; floating ice in Mohawk and Hudson rivers. No snow in Hudson Valley south of Glens falls; snow averages about 1 inch in the Mohawk Valley.

St. Paul, Minn., December 25.—River open and floating ice observed. Lakes near here have 11.5 inches of ice.

La Crosse, Wis., December 25.—Six inches mush ice; some 8-inch ice has been cut from dead water; main channel full of floating ice; 2 to 4 inches of shore ice.

Davenport, Iowa, December 25.—Much floating ice.

Hannibal, Mo., December 25.—River full of rather heavy floating ice.

Omaha, Nebr., December 25.—Considerable light ice running.

Escanaba, Mich., December 25.—Shore ice.

Sioux City, Iowa, December 26.—Very light ice running.

Upon the whole there is much less ice now than there was at the corresponding date of 1904, except on the upper Missouri River northward of Pierre, where there is from 5 to 8 inches more.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., DECEMBER 25, 1905.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	4	.....
Colorado.		
Durango	T.	.....
Idaho.		
Pocatello	1	8.0
Illinois.		
Ashton	1	.....
Bloomington	T.	.....
Chicago	T.	.....
La Salle	T.	.....
Monmouth	T.	.....
Olney	T.	.....
Peoria	T.	3.0
Springfield	T.	.....
Indiana.		
Indianapolis	T.	.....
Lafayette	T.	.....
Laporte	1	.....
Marion	T.	.....
Syracuse	1	.....
Iowa.		
Carroll	T.	.....
Charles City	4	.....
Creston	T.	.....
Davenport	2	*
Des Moines	1	4.5
Dubuque	2	8.0
Estherville	T.	.....
Keokuk	T.	0.0
Sioux City	.....	*
Kansas.		
Ottawa	T.	.....
Topeka	T.	.....
Maine.		
Bangor	4	8.0
Buckfield	6	.....
Cornish	7	.....
Eastport	1	5.5
Gardiner	6	6.0
Lewiston	6	10.0
Orono	7	.....
Portland	1	.....
Massachusetts.		
Fitchburg	T.	.....
North Adams	1	.....
Michigan.		
Alpena	4	2.5
Ann Arbor	T.	.....
Battle Creek	T.	.....
Big Rapids	4	.....
Calumet	18	.....
Chatham	17	.....
Detroit	T.	0.0
Escanaba	4	†
Gladwin	6	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
Michigan—Con.	*Inches*	*Inches*
Grand Haven	T.	0.0
Grand Rapids	2	0.0
Houghton	14	9.0
Humboldt	19	.....
Ironwood	28	.....
Mancelona	4	.....
Marquette	19	0.5
Menominee	2	.....
Onaway	10	.....
Port Huron	T.	3.0
Sault Ste. Marie	4	0.0
St. Ignace	6	.....
South Haven	T.	.....
Minnesota.		
Angus	6	.....
Bird Island	2	.....
Crookston	6	.....
Duluth	2	5.5
Farmington	1	.....
Fergus Falls	2	.....
Hinckley	6	.....
Minneapolis	T.	.....
Moorhead	8	13.0
St. Paul	T.	*
Wabasha	4	.....
Missouri.		
Hannibal	.....	*
Montana.		
Havre	1	.....
Helena	3	.....
Kalispell	3	.....
Nebraska.		
Omaha	.....	*
Nevada.		
Winnemucca	2	.....
New Hampshire.		
Bethlehem	7	.....
Concord	2	5.0
Durham	T.	.....
Hanover	2	.....
New Mexico.		
Santa Fe	T.	.....
New York.		
Auburn	T.	.....
Binghamton	T.	.....
Buffalo	3	0.0
Cooperstown	1	.....
Franklinville	4	.....
Ithaca	T.	.....
Jamestown	2	.....
Oswego	2	0.0
Rochester	T.	0.0
North Dakota.		
Bismarck	7	18.0

Stations.	Snow.	Ice in rivers, harbors, etc.
North Dakota—Con.	*Inches*	*Inches*
Williston	T.	16.5
Ohio.		
Bangorville	1	.....
Cincinnati	T.	0.0
Cleveland	1	0.0
Columbus	T.	0.0
Garrettsville	T.	.....
Greenville	T.	.....
Manara	T.	.....
Sandusky	T.	0.0
Tiffin	1	.....
Toledo	T.	0.5
Wauseon	T.	.....
Oregon.		
Baker City	T.	.....
Pennsylvania.		
Claysville	T.	.....
Erie	1	0.0
Greenville	1	.....
Pittsburg	T.	0.0
Saegerstown	2	.....
Scranton	T.	.....
Selins Grove	T.	.....
Towanda	T.	.....
Rhode Island.		
Providence	T.	0.0
South Dakota.		
Huron	T.	12.0
Pierre	T.	4.0
Utah.		
Salt Lake City	1	.....
Vermont.		
Brattleboro	2	8.0
Burlington	4	.....
Northfield	5	.....
Washington.		
Spokane	T.	.....
West Virginia.		
Elkins	T.	0.0
Parkersburg	T.	0.0
Romney	T.	.....
Wisconsin.		
Ashland	6	.....
Green Bay	1	5.5
La Crosse	5	6.0
Madison	4	.....
Medford	3	.....
Milwaukee	1	0.0
Mount Horeb	6	.....
Portage	5	.....
Racine	T.	.....
Waupaca	4	.....
Wyoming.		
Lander	3	.....

* Floating ice. † Shore ice. T. indicates trace.

U. S. DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU.

LITERARY
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JAN. 3 1906
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SNOW AND ICE BULLETIN.

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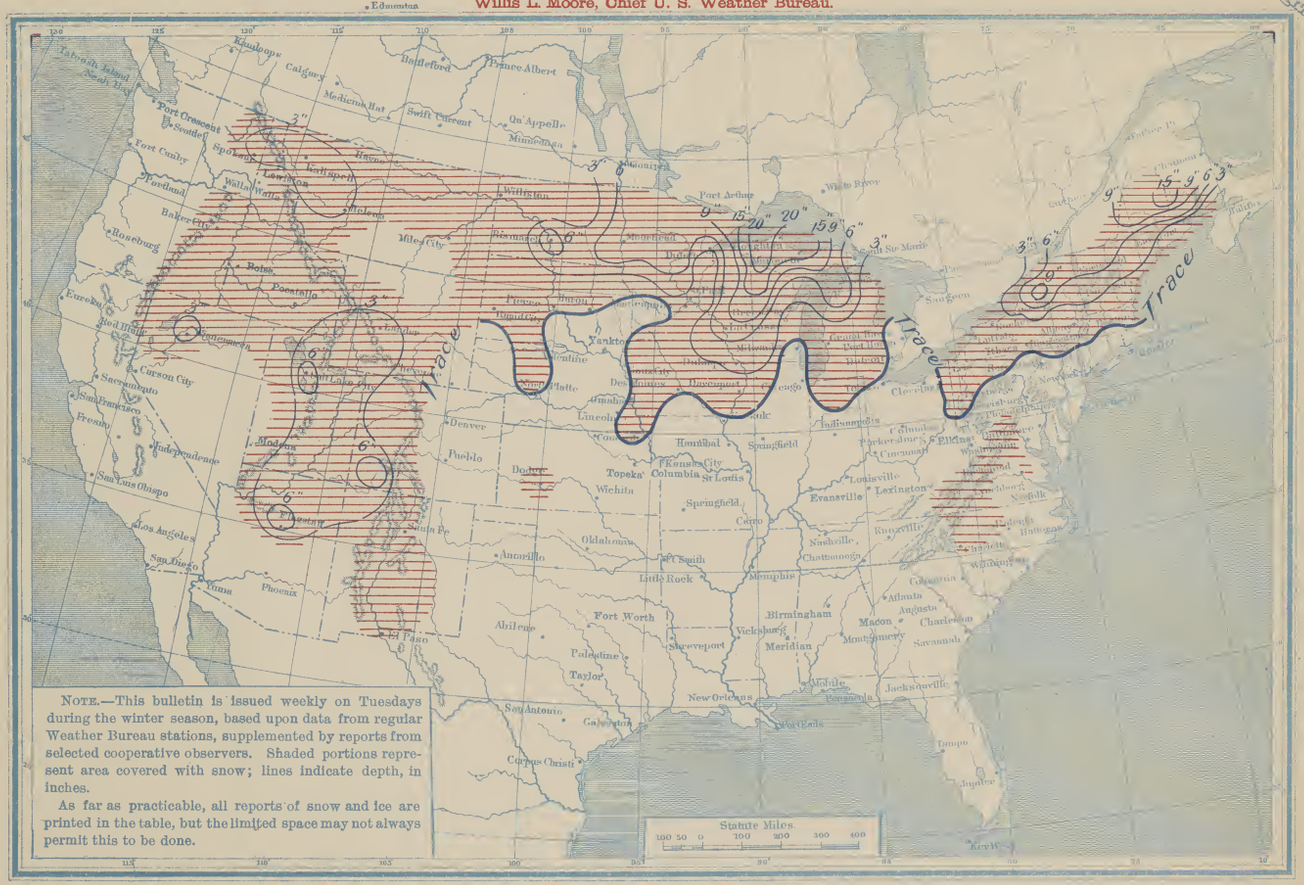
Willis L. Moore, Chief U. S. Weather Bureau.



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As far as practicable, all reports of snow and ice are printed in the table, but the limited space may not always permit this to be done.

WASHINGTON, D. C., *January 2, 1906.*

DEPTH OF SNOW.

The western portion of the lower Lake region in which there were traces or a very light covering of snow at 8 p. m., December 25, 1905, was free from snow at 8 p. m., January 1, 1906, and diminished depths as compared with the reports of the previous week are shown over the eastern portion of the upper Lake region and in northern New England. Considerable snow has fallen during the week in the Rocky Mountain region, depths ranging from 2 to 7 inches being reported from numerous Weather Bureau stations.

As a whole, there is now considerably more snow than there was at the corresponding date of 1905, except on the New England coast and in portions of the upper Lake region, where there is less.

ICE IN RIVERS, HARBORS, ETC.

During the week ending January 1, 1906, the increase in ice formation in the upper Missouri River northward of Pierre ranged from 1 inch to 5.5 inches. There is very little ice in the Missouri southward of Omaha. In the upper Mississippi River there is more ice at St. Paul than there was on December 25, but less at La Crosse and Dubuque; with floating ice only at Davenport and Hannibal. A slight increase in ice formation is reported from the western portions of lakes Superior and Michigan, but the lower Lakes continue practically free of ice. In the rivers of New England ice now ranges from 6 to 10 inches in thickness, the majority of reporting stations showing an increase ranging from 1 inch to 4.5 inches, while others show little or no change as compared with the reports of the previous week.

The following special reports have been received by telegraph:

Gardiner, Me., January 1.—Continuation of mild weather is unfavorable for an early ice crop.

Albany, N. Y., January 2.—Floating ice in Mohawk and Hudson rivers. Snow averages about 1 inch in depth over Mohawk and trace in Hudson Valley.

Hannibal, Mo., January 1.—Some light ice running in river.

Dubuque, Iowa, January 1.—Main channel open in places.

Davenport, Iowa, January 1.—Little floating ice.

Omaha, Nebr., January 1.—Considerable shore ice; little running ice.

Sioux City, Iowa, January 2.—Ice field one mile below.

In the upper Missouri River northward of Bismarck there is more ice than there was at the corresponding date of 1905, but in the lower Missouri River and generally in all waters from the upper Mississippi eastward to the New England and Middle Atlantic coasts there was more ice at the corresponding date of 1905 than now, the difference in the rivers of New England ranging from 1 inch to 9 inches.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., JANUARY 1, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	6	.....
Colorado.		
Durango	6	.....
Grand Junction	1	.....
Connecticut.		
West Cornwall	T.	.....
Idaho.		
Boise	2	.....
Pocatello	2	12.0
Illinois.		
Ashton	1	.....
Chicago	T.	.....
La Salle	T.	.....
Minonk	T.	.....
Monmouth	T.	.....
Peoria	.....	0.5
Winnebago	1	.....
Indiana.		
Lafayette	T.	.....
Laporte	T.	.....
Marion	T.	.....
Syracuse	T.	.....
Iowa.		
Boone	1	.....
Charles City	4	.....
Davenport	1	*
Des Moines	T.	6.0
Dubuque	4	5.0
Keokuk	T.	0.0
Sioux City	T.	0.0
Kansas.		
Dodge	T.	.....
Horton	T.	.....
Maine.		
Bangor	2	9.0
Buckfield	4	.....
Cornish	5	.....
Danforth	16	.....
Eastport	T.	10.0
Gardiner	3	6.0
Lewiston	3	10.5
Millinocket	11	.....
Orono	5	.....
Portland	1	.....
Massachusetts.		
Adams	1	.....
Amherst	T.	.....
Boston	T.	.....
Concord	T.	.....
Mansfield	T.	.....
North Adams	1	.....
Michigan.		
Alpena	1	2.5
Big Rapids	2	.....
Calumet	24	.....
Chatham	16	.....
Detroit	T.	0.0
Escanaba	5	1.5
Gladwin	2	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
Michigan—Cont'd.	*Inches*	*Inches*
Grand Haven	T.	0.0
Grand Rapids	T.	.....
Houghton	18	11.0
Iron River	24	.....
Lansing	T.	.....
Mancelona	6	.....
Marquette	15	0.0
Port Huron	.....	3.0
Sault Ste. Marie	3	0.0
Minnesota.		
Bird Island	T.	.....
Detroit City	7	.....
Duluth	2	10.0
Farmington	T.	.....
Hinckley	6	.....
Maple Plain	4	.....
Minneapolis	T.	.....
Moorhead	8	17.0
St. Paul	2	4.0
Missouri.		
Hannibal	.....	*
Trenton	1	.....
Montana.		
Havre	1	.....
Helena	3	.....
Kalispell	5	.....
Miles City	T.	.....
Nebraska.		
North Platte	T.	.....
Omaha	T.	0.5
Valentine	T.	.....
Nevada.		
Reno	T.	.....
Winnemucca	5	.....
New Hampshire.		
Bethlehem	6	.....
Concord	T.	8.0
Durham	T.	.....
Keene	T.	.....
New Mexico.		
Roswell	T.	.....
Santa Fe	T.	.....
New York.		
Albany	T.	0.0
Binghamton	T.	.....
Buffalo	1	0.0
Cooperstown	1	.....
Franklinville	2	.....
Herkimer	1	.....
Ithaca	T.	.....
Jamestown	2	.....
Lowville	10	.....
Ogdensburg	3	.....
Oswegatchie	8	.....
Oswego	4	0.0
Rochester	T.	0.0
Rome	5	.....
Shortsville	T.	.....
Syracuse	T.	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
North Carolina.	*Inches*	*Inches*
Charlotte	T.	.....
Raleigh	T.	.....
North Dakota.		
Bismarck	7	19.0
Devils Lake	1	.....
Williston	T.	19.0
Ohio.		
Garrettsville	T.	.....
Wauseon	T.	.....
Oregon.		
Baker City	2	.....
Pennsylvania.		
Aleppo	T.	.....
Claysville	T.	.....
Emporium	T.	.....
Erie	1	0.0
Pittsburg	T.	0.0
Scranton	T.	.....
State College	T.	.....
Towanda	T.	.....
South Dakota.		
Huron	T.	14.0
Pierre	T.	9.5
Rapid City	T.	.....
Yankton	T.	0.0
Texas.		
El Paso	T.	.....
Utah.		
Salt Lake City	7	.....
Vermont.		
Brattleboro	1	9.0
Northfield	5	.....
St. Johnsbury	6	.....
Virginia.		
Blacksburg	T.	.....
Dale Enterprise	T.	.....
Fredericksburg	T.	.....
Lynchburg	T.	0.0
Mount Weather	T.	.....
Stephens City	1	.....
Williamsburg	1	.....
Woodstock	T.	.....
Wytheville	T.	.....
Washington.		
Spokane	5	.....
Walla Walla	T.	.....
Wisconsin.		
Burnett	4	.....
Green Bay	1	7.0
La Crosse	8	4.0
Madison	3	.....
Medford	7	.....
Mount Horeb	7	.....
Portage	5	.....
Racine	T.	.....
Stevens Point	12	.....
Wyoming.		
Cheyenne	T.	.....
Lander	4	.....

* Floating ice. T. indicates trace.

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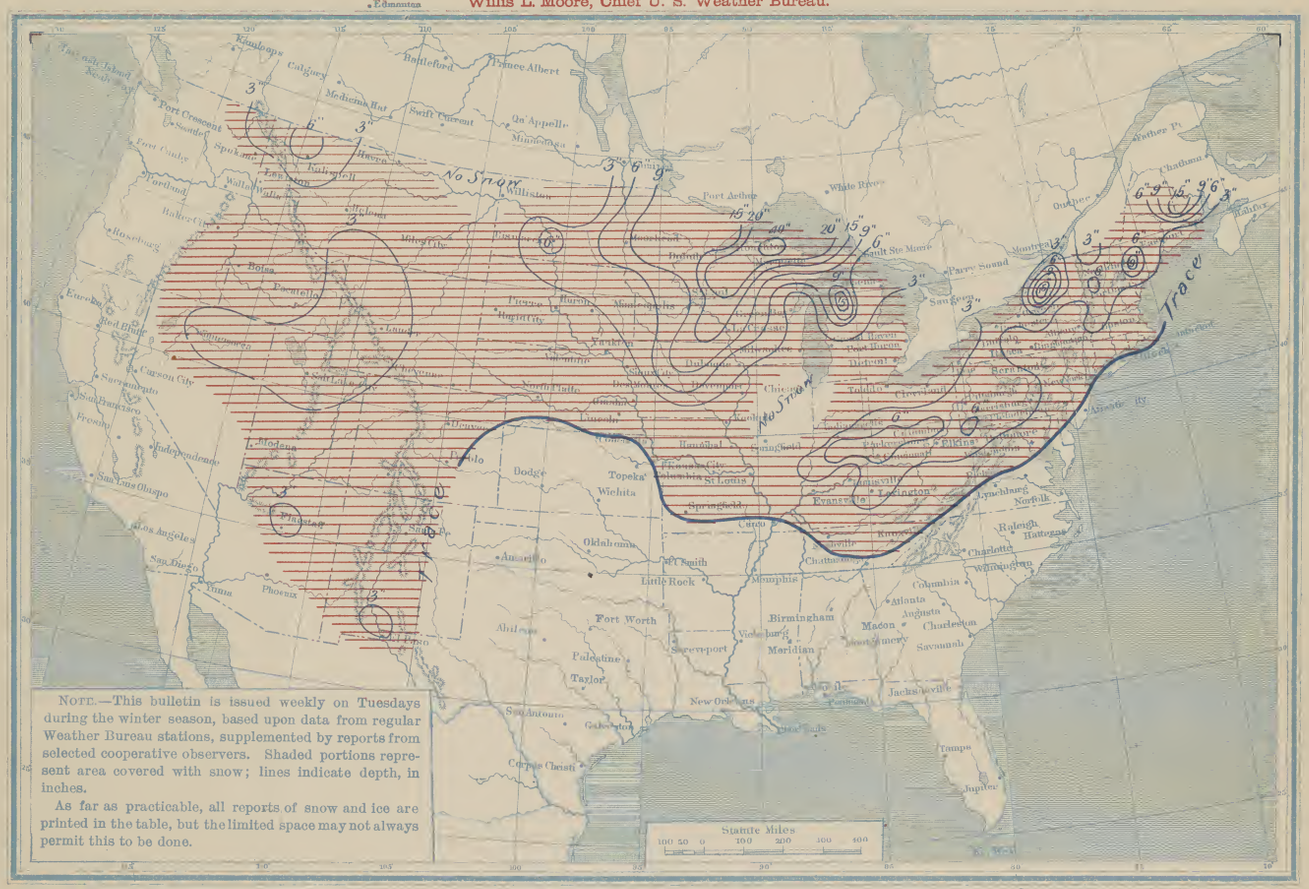

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WASHINGTON, D. C., *January 9, 1906.*

DEPTH OF SNOW.

The area covered with snow at 8 p. m., January 8, 1906, was greater than on any previous date of the winter and extends to southern Missouri and northern Tennessee, the southern limit being from 300 to 500 miles farther south than at the same hour on the 1st instant. There are small areas, however—embracing portions of northeastern Illinois and northwestern Indiana and northeastern Montana and northwestern North Dakota—that are without snow. Increased depths, as compared with those reported on the 1st instant, are indicated generally in all northern districts eastward of the Missouri River, except in northern Maine, where diminished depths are indicated. Stations in the middle and southern Plateau regions also report decreased depths. From central Iowa northward over eastern Minnesota, western Wisconsin and the upper Michigan Peninsula snow ranges in depth from 6 to more than 20 inches, a limited area in the central portion of the upper Michigan Peninsula having depths of more than 3 feet. A small area in northern New York is covered to depths ranging from 16 to 30 inches.

As compared with the corresponding date of 1905, the area now covered with snow is much greater, but the depths over the Lake region and northern New England are materially less.

ICE IN RIVERS, HARBORS, ETC.

At 8 p. m., January 8, 1906, ice in the Missouri River from Pierre, S. Dak., to Williston, N. Dak., ranged from 11 to 21 inches, a slight increase as compared with the reports of January 1 being reported from the two stations mentioned, with no change at Bismarck, N. Dak. Southward of Pierre the river was closed in places and open in others, with floating ice as far south as Kansas City. The Mississippi was frozen with from 4 to 8 inches of ice from Dubuque, Iowa, northward, floating ice being reported from Davenport, Iowa, and Hannibal, Mo. Stations in the upper Lake region generally report from 4 to 17 inches of ice, and in the rivers of New England ice ranges from 7 to 12 inches. No ice is reported in the Ohio, Potomac, and Susquehanna rivers.

The following special reports have been received by telegraph:

Gardiner, Me., January 8.—Cultivation of ice fields has commenced, with favorable weather. Ice is 7 inches thick; cutting will begin on 12 inches.

Albany, N. Y., January 9.—Mohawk River froze over last night. Ice in Hudson ranges from half an inch at Albany to 10 inches at Northville. Snow in Mohawk Valley ranges from half an inch at Cohoes to 4 inches at Utica, and in Hudson Valley from a trace at Athens to 4 inches at Northville.

Hannibal, Mo., January 8.—River full of heavy floating ice.

Sioux City, Iowa, January 9.—River closed above and below city.

Kansas City, Mo., January 8.—Heavy floating ice.

Davenport, Iowa, January 8.—River covered with floating ice.

Omaha, Nebr., January 8.—Considerable shore ice; light ice running.

Yankton, S. Dak., January 8.—River channel at Yankton open, but frozen over 1 mile above and 4 miles below.

While there was a slight but general increase in ice formation during the week ending January 8, 1906, throughout the northern portions of the country, there is now much less ice than there was at the corresponding date of 1905, except in the extreme upper Missouri, where there is considerably more.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., JANUARY 8, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.
Alabama.	*Inches*	*Inches*
Anniston	T.	.....
Arizona.		
Flagstaff	4	.....
Colorado.		
Denver	1	.....
Durango	T.	.....
Pueblo	T.	.....
Connecticut.		
Hartford	1	0.0
New Haven	1	.....
Dist. of Columbia.		
Washington	1	0.0
Idaho.		
Boise	1	.....
Pocatello	1	14.0
Illinois.		
Cairo	T.	0.0
Chicago	T.	.....
Cobden	2	.....
Hillsboro	2	.....
Monmouth	1	.....
Olney	1	.....
Peoria	.....	2.0
Winnebago	2	.....
Indiana.		
Bloomington	6	.....
Evansville	2	0.0
Indianapolis	1	.....
Jeffersonville	2	.....
Marion	1	.....
Princeton	4	.....
Seymour	8	.....
Iowa.		
Atlantic	2	.....
Boone	9	.....
Carroll	3	.....
Charles City	14	.....
Davenport	1	*
Des Moines	6	8.0
Dubuque	3	8.0
Estherville	8	.....
Forest City	9	.....
Keokuk	T.	0.0
Sioux City	1	0.0
Waterloo	14	.....
Kansas.		
Concordia	T.	.....
Kentucky.		
Lexington	5	.....
Louisville	1	0.0
Maine.		
Bangor	1	11.0
Cornish	9	.....
Danforth	15	.....
Eastport	T.	12.0
Gardiner	4	7.0
Lewiston	6	12.0
Orono	3	.....
Portland	T.	.....
Maryland.		
Baltimore	1	0.0
Massachusetts.		
Adams	2	.....
Boston	T.	.....
Fitchburg	1	.....
Nantucket	T.	0.0
North Adams	3	.....
Michigan.		
Alpena	3	4.0
Ann Arbor	2	.....
Big Rapids	5	.....
Calumet	26	.....
Chatham	23	.....
Detroit	1	1.0
Escanaba	7	3.0
Grand Haven	T.	0.0
Grand Marais	22	.....
Grand Rapids	2	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
Michigan—Cont'd.	*Inches*	*Inches*
Houghton	20	14.0
Humboldt	42	.....
Lansing	2	.....
Mancelona	15	.....
Manistee	8	.....
Marquette	26	0.5
Port Huron	1	5.0
Sault Ste. Marie	7	3.0
St. Ignace	5	.....
Minnesota.		
Bird Island	5	.....
Detroit City	9	.....
Duluth	10	17.0
Farmington	11	.....
Minneapolis	7	.....
Moorhead	8	20.0
Morris	3	.....
St. Paul	7	8.0
Wabasha	15	.....
Missouri.		
Columbia	T.	.....
Hannibal	T.	*
Kansas City	T.	*
St. Louis	2	0.0
Springfield	1	.....
Montana.		
Havre	T.	.....
Helena	1	.....
Kalispell	6	.....
Miles City	T.	.....
Nebraska.		
Brokenbow	1	.....
Lincoln	T.	.....
North Platte	1	.....
Omaha	1	0.5
Nevada.		
Winnemucca	4	.....
New Hampshire.		
Bethlehem	4	.....
Concord	2	9.0
Durham	2	.....
Keene	3	.....
New Jersey.		
Atlantic City	T.	.....
New Mexico.		
Santa Fe	T.	.....
New York.		
Albany	1	0.0
Binghamton	T.	.....
Buffalo	2	0.5
Cooperstown	3	.....
Delkuyter	3	.....
Franklinville	6	.....
Geneva	2	.....
Ithaca	1	.....
Jamestown	5	.....
Lowville	16	.....
New York	1	.....
Ogdensburg	6	.....
Oswegatchie	30	.....
Oswego	4	2.0
Poughkeepsie	1	.....
Rochester	3	0.5
Rome	6	.....
Saranac Lake	8	.....
Saratoga	1	.....
Setauket	1	.....
Shortsville	1	.....
Syracuse	3	.....
North Dakota.		
Bismarck	7	19.0
Devils Lake	1	.....
Williston	.....	21.0
Ohio.		
Bangorville	2	.....
Cincinnati	6	0.0
Cleveland	4	0.0

Stations.	Snow.	Ice in rivers, harbors, etc.
Ohio—Cont'd.	*Inches*	*Inches*
Coalton	2	.....
Columbus	5	0.0
Garrettsville	1	.....
Greenville	4	.....
Manara	6	.....
Philo	6	.....
Sandusky	T.	2.0
Toledo	T.	0.5
Oregon.		
Baker City	2	.....
Pennsylvania.		
Aleppo	5	.....
Claysville	3	.....
Easton	1	.....
Erie	2	1.5
Gordon	1	.....
Greenville	2	.....
Hanover	1	.....
Harrisburg	5	0.0
Marion	4	.....
Mifflintown	2	.....
Philadelphia	1	0.0
Pittsburg	3	0.0
Scranton	2	.....
Selins Grove	3	.....
Williamsport	1	.....
Rhode Island.		
Block Island	T.	0.0
Narragansett	T.	.....
Providence	1	0.0
South Dakota.		
Huron	2	16.0
Pierre	2	11.0
Rapid City	T.	.....
Yankton	1	0.0
Tennessee.		
Chattanooga	T.	0.0
Knoxville	T.	0.0
Memphis	T.	0.0
Nashville	1	.....
Texas.		
El Paso	4	0.0
Utah.		
Modena	T.	.....
Salt Lake City	5	.....
Vermont.		
Brattleboro	5	11.0
Northfield	7	.....
Virginia.		
Mount Weather	2	.....
Richmond	T.	0.0
Wytheville	T.	.....
Washington.		
Spokane	3	.....
West Virginia.		
Elkins	5	0.0
Grafton	4	.....
Huntington	1	.....
Morgantown	6	.....
New Martinsville	4	.....
Parkersburg	5	0.0
Wisconsin.		
Ashland	12	.....
Burnett	4	.....
Clear Lake	21	.....
Green Bay	1	8.5
La Crosse	12	4.0
Madison	5	.....
Medford	20	.....
Milwaukee	T.	0.0
Portage	6	.....
Racine	1	.....
Sheboygan	2	.....
Wyoming.		
Cheyenne	T.	.....
Lander	4	.....
Yellowstone Park	5	.....

* Floating ice. T. indicates trace.

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WEATHER BUREAU.

L. M. I.

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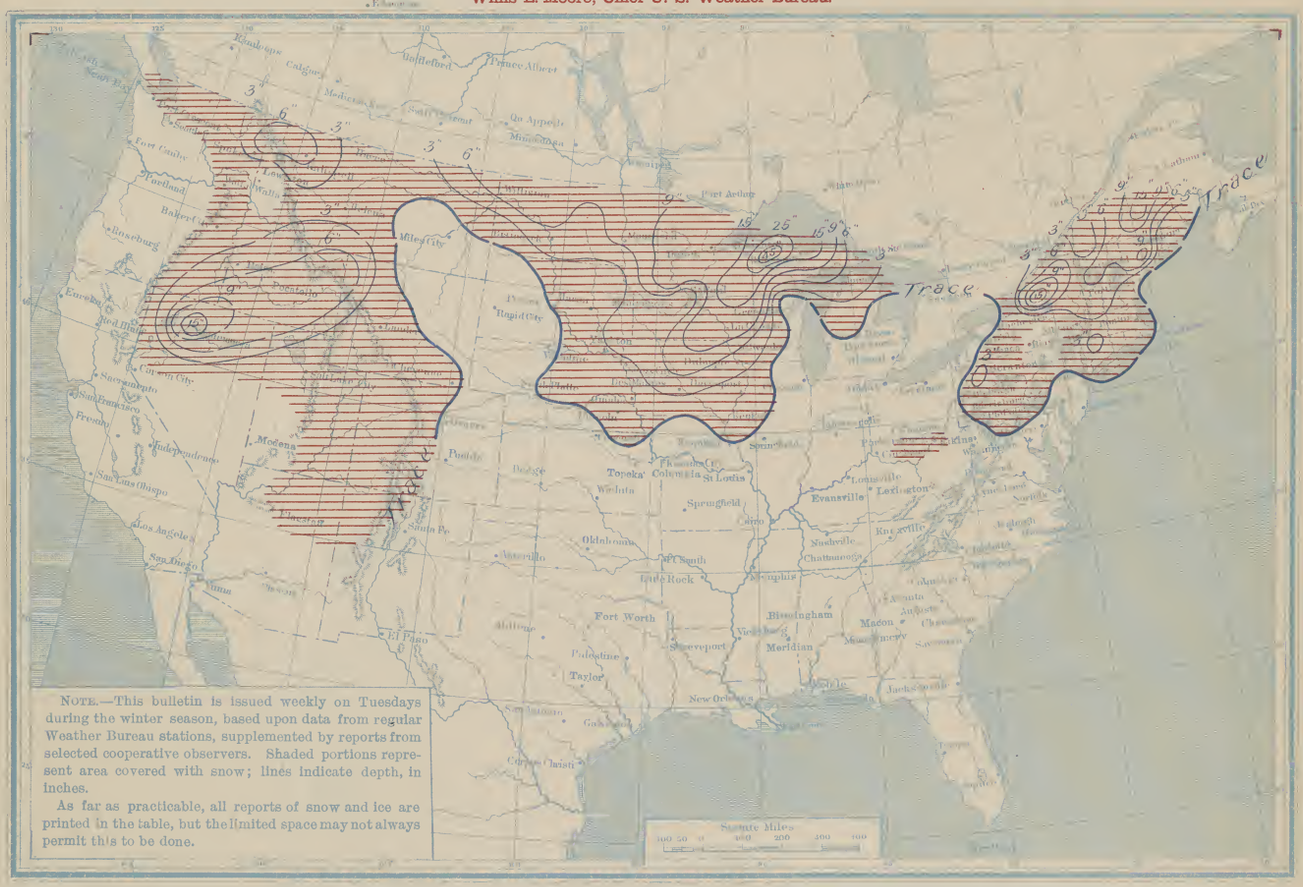

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WASHINGTON, D. C., *January 16, 1906.*

DEPTH OF SNOW.

While slightly increased depths, as compared with those shown by the preceding bulletin, are reported from portions of southern New England, the central Missouri Valley, and over a considerable part of the northern Rocky Mountain region, as a whole the area covered and the depths reported at 8 p. m., January 15, 1906, were much smaller than on the 8th instant. The central and upper portions of the Ohio Valley, which were covered with depths ranging from 3 to more than 6 inches on the 8th, were practically free from snow on the 15th, and snow has wholly disappeared from a large part of the Lake region, which was covered to depths ranging from 1 inch to 4 inches in the previous week.

At the corresponding date of 1905 the area covered was much more extensive than at this date, the southern limit of snow extending into northern Texas and thence eastward through Arkansas and Tennessee to the Virginia coast, but the depths in the Ohio Valley and the Middle Atlantic States were very slight.

ICE IN RIVERS, HARBORS, ETC.

Only in the extreme northern districts has there been an increase in ice formation during the week ending January 15, 1906. At 8 p. m. of the date mentioned there was very little ice in the Missouri River from Yankton, S. Dak., southward, and practically none in the Mississippi below Davenport, Iowa. In the Missouri ice ranged from 12 inches at Pierre, S. Dak., to 22 inches at Bismarck and Williston, N. Dak., and in the Mississippi from 7 inches at Dubuque, Iowa, to 13 inches at Saint Paul, Minn. In the rivers of New England there has been an increase during the past week ranging from 1.5 inches to 3 inches, from 9 to 14 inches being reported at 8 p. m. January 15.

The following special reports have been received by telegraph:

Brattleboro, Vt., January 15.—Cutting ice is now in progress.
Lewiston, Me., January 15.—Ice harvesting is in full operation on the Androscoggin River.
Gardiner, Me., January 15.—Harvesting has commenced at one house on the lower river, where the ice is 12 inches thick. All the ice fields are in good condition, but are gaining in thickness very slowly.
Albany, N. Y., January 16.—In the Hudson River ice ranges from 2 inches at Athens to 10 inches at Warrensburg. In the Mohawk River there is little ice but that along the shores. In the Hudson Valley snow ranges from trace at Albany to 4 inches at Northville, and in the Mohawk Valley from trace at Schenectady to 8 inches at Trenton Falls.
Dubuque, Iowa, January 15.—Ice is soft.
Hannibal, Mo., January 15.—River is nearly free from floating ice.
Sioux City, Iowa, January 16.—There is no ice along the river front.

As compared with the conditions existing at the corresponding period of 1905, there is a marked decrease in all northern districts, except in the extreme upper Missouri River and in western Lake Superior, where the ice is somewhat thicker. On January 16, 1905, the Missouri was frozen as far south as Kansas City, Mo., the ice between that place and Yankton ranging from 8 to 12 inches, and the Mississippi was frozen southward to Hannibal, Mo., where ice measured 9.5 inches. There was also considerable ice in the rivers and streams of the Middle Atlantic States, which are now wholly free from ice.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., JANUARY 15, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	1	.....
Colorado.		
Durango	2	.....
Grand Junction	2	.....
Connecticut.		
Hartford	2	0.0
New Haven	1	.....
Storrs	2	.....
West Cornwall	3	.....
Idaho.		
Boise	5	.....
Pocatello	6	29.0
Illinois.		
Bloomington	T.	.....
La Salle	T.	.....
Monmouth	T.	.....
Peoria	T.	0.0
Iowa.		
Boone	6	.....
Carroll	3	.....
Charles City	8	.....
Davenport	T.	0.0
Des Moines	4	7.0
Dubuque	3	7.0
Forest City	9	.....
Iowa City	T.	.....
Keokuk	T.	0.0
Sioux City	2	1.0
Kansas.		
Concordia	T.	.....
Horton	2	.....
Maine.		
Bangor	1	14.0
Buckfield	6	.....
Cornish	8	.....
Eastport	T.	14.0
Gardiner	3	9.0
Lewiston	10	13.5
Millinocket	16	.....
Orono	2	.....
Maryland.		
Darlington	T.	.....
Massachusetts.		
Adams	1	.....
Boston	4	.....
Fitchburg	T.	.....
Mansfield	3	.....
Michigan.		
Alpena	2	9.0
Big Rapids	1	.....
Chatham	18	.....
Detroit	.....	2.5
Escanaba	6	6.0
Grand Rapids	T.	.....
Houghton	22	14.5
Humboldt	45	.....
Port Huron	.....	5.0
Sault Ste. Marie	4	5.0
Minnesota.		
Bird Island	4	.....
Crookston	6	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
Minnesota—Cont'd.	*Inches*	*Inches*
Detroit City	8	.....
Duluth	12	18.5
Farmington	11	.....
Fergus Falls	2	.....
Hinckley	17	.....
Maple Plain	11	.....
Minneapolis	4	.....
Moorhead	8	22.0
St. Paul	4	13.0
Wabasha	12	.....
Missouri.		
Hannibal	T.	*
Montana.		
Havre	T.	.....
Helena	1	.....
Kalispell	7	.....
Miles City	T.	.....
Nebraska.		
Falls City	2	.....
Hebron	2	.....
Lincoln	2	.....
North Platte	T.	.....
Oakdale	2	.....
Omaha	2	0.0
St. Paul	2	.....
York	1	.....
Nevada.		
Winnemucca	15	.....
New Hampshire.		
Bethlehem	4	.....
Concord	2	11.0
Durham	T.	.....
Hanover	3	.....
New York.		
Addison	T.	.....
Albany	T.	1.0
Beaver	21	.....
Cooperstown	2	.....
Cutchogue	3	.....
DeRuyter	1	.....
Franklinville	1	.....
Jamestown	T.	.....
Le Roy	T.	.....
Lowville	15	.....
Malone	4	.....
New York	T.	.....
Ogdensburg	3	.....
Oswego	2	4.5
Port Jervis	T.	.....
Rochester	.....	0.5
Rome	2	.....
Saranac Lake	6	.....
Setauket	2	.....
Southampton	3	.....
Syracuse	T.	.....
Watertown	2	.....
North Dakota.		
Bismarck	6	22.0
Devils Lake	4	.....
Williston	8	22.0

Stations.	Snow.	Ice in rivers, harbors, etc.
Ohio.	*Inches*	*Inches*
Coalton	T.	.....
Manara	T.	.....
Sandusky	.....	3.0
Toledo	.....	2.0
Oregon.		
Baker City	2	.....
Pennsylvania.		
Aleppo	T.	.....
Claysville	T.	.....
Easton	T.	.....
Ephrata	1	.....
Erie	.....	2.5
Hanover	T.	.....
Harrisburg	T.	0.0
Marion	T.	.....
Mifflintown	T.	.....
St. Marys	4	.....
Scranton	T.	.....
Selins Grove	2	.....
Towanda	T.	.....
Rhode Island.		
Block Island	T.	0.0
Kingston	4	.....
Narragansett	3	.....
Providence	2	0.0
South Dakota.		
Huron	1	16.5
Pierre	T.	12.0
Yankton	3	0.0
Utah.		
Salt Lake City	1	.....
Vermont.		
Brattleboro	5	13.0
Burlington	T.	.....
Northfield	6	.....
St. Johnsbury	8	.....
Virginia.		
Dale Enterprise	T.	.....
Mount Weather	T.	.....
Washington.		
Port Crescent	2	.....
Spokane	6	.....
Walla Walla	1	.....
West Virginia.		
Parkersburg	T.	0.0
Romney	T.	.....
Wisconsin.		
Ashland	9	.....
Burnett	2	.....
Grand Rapids	12	.....
Green Bay	.....	7.0
La Crosse	10	8.0
Madison	2	.....
Medford	17	.....
Mount Horeb	3	.....
Portage	4	.....
Stevens Point	11	.....
Wyoming.		
Cheyenne	1	.....
Yellowstone Park	8	.....

* Floating ice. T. indicates trace.

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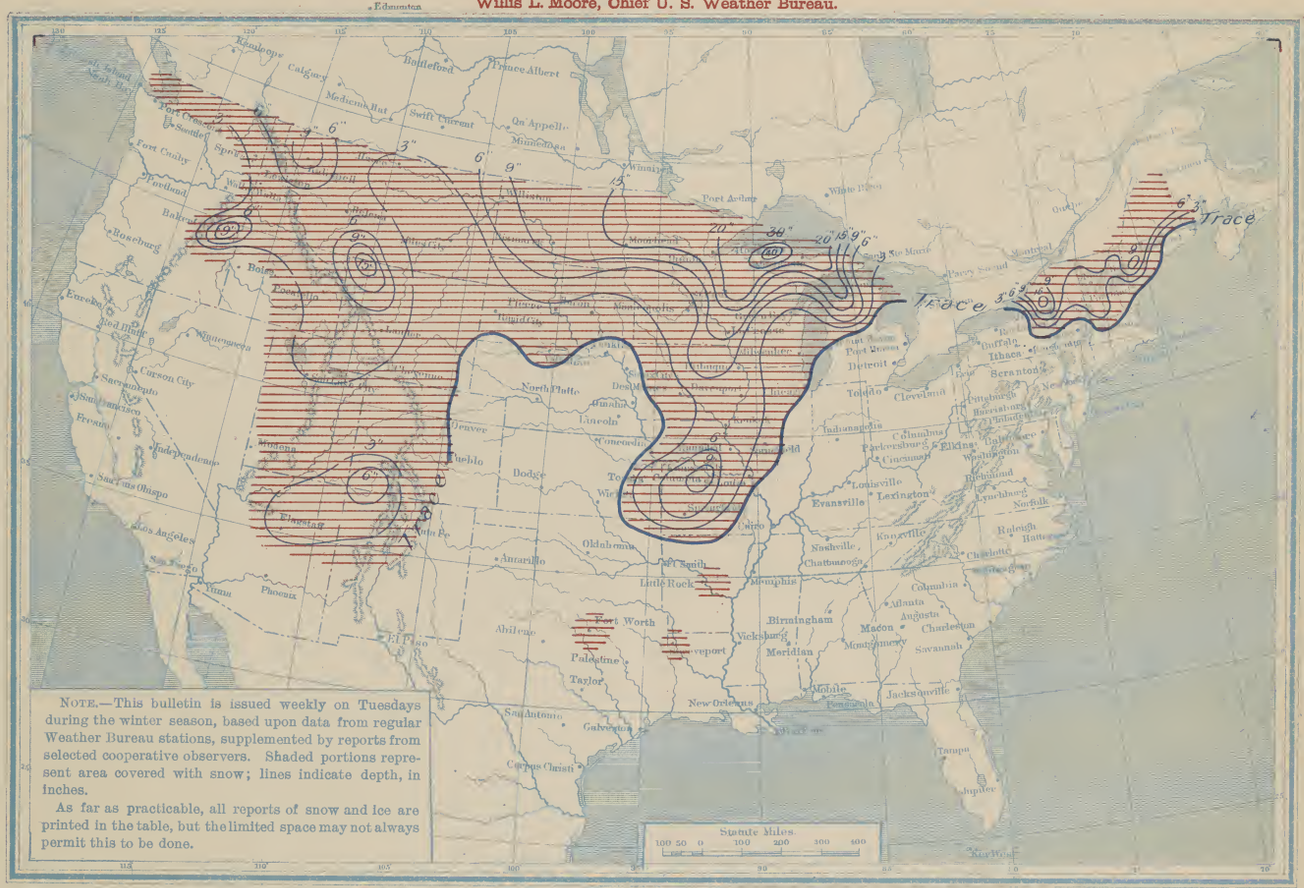
Willis L. Moore, Chief U. S. Weather Bureau.



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WASHINGTON, D. C., *January 23, 1906.*

DEPTH OF SNOW.

As a whole, the area covered with snow at 8 p. m., January 22, 1906, was about equal to that covered at the same hour on the 15th instant, but portions of the Middle Atlantic States covered on the 15th are now bare, and a considerable part of the lower Missouri and upper Mississippi valleys then free from snow are now covered to considerable depths. During the week snow disappeared from the western portion of the middle Plateau region, where depths ranging from 9 to 15 inches were reported on the 15th, while quite an extensive area, embracing portions of southeastern Montana, northeastern Wyoming, and western South Dakota, then bare, are now covered with depths ranging from 1 to 3 inches. Materially increased depths are reported from the Lake Superior region to western Montana and also in the southern Plateau region.

At the corresponding period of 1905 the whole of the Lake region was covered with snow and the depths in northern New England were greater than they are at this date. There was also more snow in the central Missouri Valley, but in the lower Missouri and central Mississippi valleys and generally throughout the middle and northern Rocky Mountain regions there was less than is now reported.

ICE IN RIVERS, HARBORS, ETC.

The reports of ice measurements made at 8 p. m., January 22, 1906, show a slight increase in ice formation at stations on the upper Missouri and upper Mississippi rivers and at most stations in the northern portion of the upper Lake region, while the reports from stations in the lower Lake region show that there is practically no ice in that region, where ice was from 1 inch to 5 inches thick on the 15th. In the rivers of New England the situation remains practically unchanged as compared with the reports of the previous week. In the upper Missouri northward of Sioux City, Iowa, ice generally ranges from 10 to 29 inches, being thickest in the vicinity of Bismarck, N. Dak.; in the upper Mississippi it ranges from 11 to 14 inches northward of Dubuque, Iowa, and in the rivers of New England, from 9 to 15.5 inches.

The following special reports have been received by telegraph:

Gardiner, Me., January 22.—The mild weather is very unfavorable for the ice harvest. Ice is 12 inches thick on the lower river, where the cutting is going on as the weather permits.

Albany, N. Y., January 23.—In the Mohawk Valley there is no snow, except in the vicinity of Little Falls, where there is about an inch. In the Hudson Valley there is none, except about Warrensburg, where it is 2 inches deep. There is no ice in the Mohawk River, except at Little Falls, where it is about 2 inches thick, and none in the central and lower Hudson. In the Schroon River the ice is 2 inches thick at Warrensburg.

Davenport, Iowa, January 22.—The river is covered with running ice.

Hannibal, Mo., January 22.—The river is full of floating ice.

Sioux City, Iowa, January 23.—In the river ice is 10 inches thick in places, but there is none in front of the city.

Kansas City, Mo., January 22.—There is thin floating ice in the river.

Omaha, Nebr., January 23.—The river is practically closed. There is still some open water, with ice running along the city front.

In all northern districts there is now decidedly less ice than there was at the corresponding date of 1905, except in the upper Missouri River northward of Bismarck and in the western Lake Superior region, where there is somewhat more. On January 22, 1905, the Missouri was frozen southward to Kansas City, Mo., where the ice was 8 inches thick, and the Mississippi was frozen as far south as Hannibal, Mo., where ice measured 10.5 inches. At that date stations in the lower Lake region generally reported from 8 to 13 inches of ice, where there is now practically none, and in the rivers of New England there was from 4 to 17 inches more ice than there is now.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., JANUARY 22, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	5	.....
Arkansas.		
Little Rock	T.	0.0
Colorado.		
Denver	T.	.....
Durango	7	.....
Grand Junction	T.	.....
Pueblo	T.	.....
Idaho.		
Pocatello	1	14.0
Illinois.		
Ashton	2	.....
Chicago	T.	.....
Hillsboro	T.	.....
La Salle	3	.....
Peoria	2	0.0
Springfield	2	.....
Winnebago	2	.....
Iowa.		
Albia	1	.....
Atlantic	T.	.....
Boone	3	.....
Carroll	T.	.....
Charles City	6	.....
Davenport	3	*
Des Moines	T.	10.0
Dubuque	1	12.0
Estherville	2	.....
Keokuk	4	0.0
Sioux City	.....	10.0
Waterloo	8	.....
Kansas.		
Iola	3	0.0
Ottawa	1	.....
Louisiana.		
Shreveport	T.	.....
Maine.		
Bangor	.....	14.0
Buckfield	6	.....
Cornish	11	.....
Danforth	10	.....
Eastport	.....	12.0
Gardiner	2	9.0

Stations.	Snow.	Ice in rivers, harbors, etc.
Maine—Cont'd.	*Inches*	*Inches*
Lewiston	9	15.5
Massachusetts.		
Adams	T.	.....
Michigan.		
Alpena	T.	9.5
Big Rapids	T.	.....
Calumet	22	.....
Chatham	26	.....
Escanaba	9	8.5
Grand Marais	26	.....
Houghton	27	15.0
Humboldt	48	.....
Mancelona	16	.....
Marquette	34	0.0
Sault Ste. Marie	3	6.0
Minnesota.		
Duluth	18	20.0
Moorhead	18	24.0
St. Paul	4	14.0
Missouri.		
Brunswick	4	.....
Columbia	9	.....
Hannibal	5	*
Kansas City	3	*
Macon	4	.....
New Haven	3	.....
St. Louis	2	0.0
Springfield	6	.....
Trenton	T.	.....
Willow Springs	2	.....
Montana.		
Havre	1	.....
Helena	4	.....
Kalispell	9	.....
Miles City	1	.....
Nebraska.		
Omaha	.....	0.5
Valentine	2	.....
New Hampshire.		
Bethlehem	2	.....
Concord	1	11.0
Hanover	T.	.....
Keene	T.	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
New Mexico.	*Inches*	*Inches*
Santa Fe	1	.....
New York.		
Beaver	15	.....
DeRuyter	T.	.....
Franklinville	T.	.....
Saratoga	1	.....
North Dakota.		
Bismarck	12	29.0
Devils Lake	10	.....
Williston	8	23.0
Oregon.		
Baker City	11	.....
South Dakota.		
Huron	2	17.0
Pierre	3	13.5
Rapid City	T.	.....
Texas.		
Fort Worth	T.	.....
Utah.		
Modena	T.	.....
Salt Lake City	3	.....
Vermont.		
Brattleboro	4	13.0
Northfield	3	.....
St. Johnsbury	7	.....
Washington.		
Port Crescent	2	.....
Spokane	4	.....
Wisconsin.		
Burnett	2	.....
Green Bay	2	6.0
La Crosse	12	11.0
Madison	3	.....
Medford	20	.....
Milwaukee	1	0.0
Mount Horeb	2	.....
Portage	2	.....
Sheboygan	2	.....
Wyoming.		
Cheyenne	T.	.....
Lander	4	.....
Yellowstone Park	15	.....

* Floating ice. T. indicates trace.

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As far as practicable, all reports of snow and ice are printed in the table, but the limited space may not always permit this to be done.

WASHINGTON, D. C., *January 30, 1906.*

DEPTH OF SNOW.

At 8 p. m., January 29, 1906, there were two small areas—one comprising portions of western New York and north-central Pennsylvania and the other the western portions of Virginia and North Carolina—covered with snow that were bare on the 22d instant. Generally the area covered on the last-mentioned date was much greater than on the 29th. There is now very little snow eastward of the upper Lake region, and nearly all has disappeared from New England, only sheltered places in the extreme northern portion being now covered. The bulletin of the previous week showed considerable depths in the lower Missouri and central Mississippi valleys where there is now practically none, and diminished depths are reported generally throughout the central and northern Rocky Mountain region and also in the northern districts from Montana eastward to the upper Lake region.

At the corresponding date of 1905 the northern half of the country east of the Rocky Mountains was very generally covered, the southern limit extending into Tennessee and to the coast line in southern Virginia. The more northerly districts were covered to depths generally ranging from 2 to 12 inches, portions of New England having much greater depths.

ICE IN RIVERS, HARBORS, ETC.

In the New England and most of the western rivers there was less ice at 8 p. m., January 29, than there was at the same hour on the 22d. A slight increase, however, is reported from some stations on the upper Missouri River and in the upper Lake region.

The following special reports have been received by telegraph:

Gardiner, Me., January 29.—Unfavorable weather continues for the ice harvest. The ice in the Kennebec River has lost considerably during the week and there are many open places. Indications point to a short and expensive crop.

Brattleboro, Vt., January 29.—There is no ice or snow. The Connecticut River is entirely open.

Concord, N. H., January 30.—The Merrimac River is open here.

Albany, N. Y., January 30.—There is no snow in the Hudson or Mohawk valleys. There is only floating ice in the Hudson and Mohawk rivers.

Dubuque, Iowa, January 29.—The ice is honeycombed on top.

Davenport, Iowa, January 29.—There is some floating ice.

Sioux City, Iowa, January 30.—There are 7 inches of soft ice at the place of measurement, but none in front of the city.

Omaha, Nebr., January 29.—The ice is 3 inches thick along the shore, but the channel is clear along the city front.

At the corresponding date of 1905 ice in the rivers of New England was from 8 to 20 inches thicker than at this time, and throughout the central and western districts there was much more ice than there is now. On January 30, 1905, the Mississippi was frozen as far south as St. Louis, Mo., where the ice was 11 inches thick. There is now practically no ice in the Mississippi southward of Dubuque, and northward of that station there is from 7 to 11 inches less than there was at the corresponding date of last year. In the Missouri River between Pierre, S. Dak., and Kansas City, Mo., there was from 6 to 16 inches more ice than is now reported, but northward of Pierre the difference was not so great; in the vicinity of Bismarck, N. Dak., there was somewhat less than there is now.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., JANUARY 29, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	4	.....
Colorado.		
Durango	T.	.....
Grand Junction	T.	.....
Idaho.		
Pocatello	T.	11.0
Illinois.		
Ashton	2	.....
Chicago	T.	.....
La Salle	T.	.....
Monmouth	2	.....
Peoria	T.	1.0
Winnebago	3	.....
Iowa.		
Charles City	4	.....
Davenport	T.	*
Des Moines	T.	6.0
Dubuque	T.	11.0
Estherville	T.	.....
Forest City	2	.....
Keokuk	T.	0.0
Sioux City	.....	7.0
Kentucky.		
Williamsburg	T.	.....
Maine.		
Bangor	.....	11.0
Buckfield	T.	.....
Cornish	T.	.....
Danforth	6½	.....
Eastport	.....	11.0
Gardiner	.....	8.0
Lewiston	T.	13.0
Orono	T.	.....
Michigan.		
Alpena	1	13.0
Big Rapids	T.	.....
Calumet	24	.....
Chatham	26	.....
Escanaba	10	14.0

Stations.	Snow.	Ice in rivers, harbors, etc.
Michigan—Cont'd.	*Inches*	*Inches*
Grand Haven	T.	0.0
Grand Marais	24	.....
Houghton	23	14.0
Humboldt	42	.....
Iron River	24	.....
Mackinaw City	8	.....
Mancelona	14	.....
Marquette	30	0.0
Sault Ste. Marie	2	9.5
Minnesota.		
Bird Island	T.	.....
Detroit City	18	.....
Duluth	10	14.0
Farmington	6	.....
Hinckley	19	.....
Maple Plain	11	.....
Minneapolis	2	.....
Moorhead	12	24.0
Morris	3	.....
St. Paul	1	14.0
Wabasha	6	.....
Missouri.		
Brunswick	T.	.....
Columbia	T.	.....
Hannibal	T.	†
New Haven	1	.....
Montana.		
Helena	T.	.....
Kalispell	2	.....
Miles City	T.	.....
Nebraska.		
Omaha	.....	3.0
New Hampshire.		
Concord	T.	0.0
Groveton	T.	.....
New York.		
Auburn	1	.....
Franklinville	T.	.....
Ithaca	T.	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
New York—Cont'd.	*Inches*	*Inches*
Oswego	.....	1.5
Shortsville	T.	.....
Wedgwood	T.	.....
North Carolina.		
Asheville	4	.....
North Dakota.		
Bismarck	9	30.5
Devils Lake	5	.....
Williston	6	22.0
Oregon.		
Baker City	5	.....
Pennsylvania.		
State College	T.	.....
Towanda	T.	.....
South Dakota.		
Huron	.....	16.5
Pierre	T.	15.0
Utah.		
Salt Lake City	1	.....
Vermont.		
Northfield	1	.....
St. Johnsbury	3	.....
Virginia.		
Wytheville	2	.....
Washington.		
Spokane	T.	.....
Wisconsin.		
Ashland	18	.....
Burnett	2	.....
Grand Rapids	24	.....
Green Bay	.....	6.0
La Crosse	8	9.0
Medford	8	.....
Mount Horeb	2	.....
Portage	1	.....
Wyoming.		
Lander	7	.....
Yellowstone Park	11	.....

* Floating ice. † Shore ice. ‡ Six inches in woods; none in open fields. T. indicates trace.

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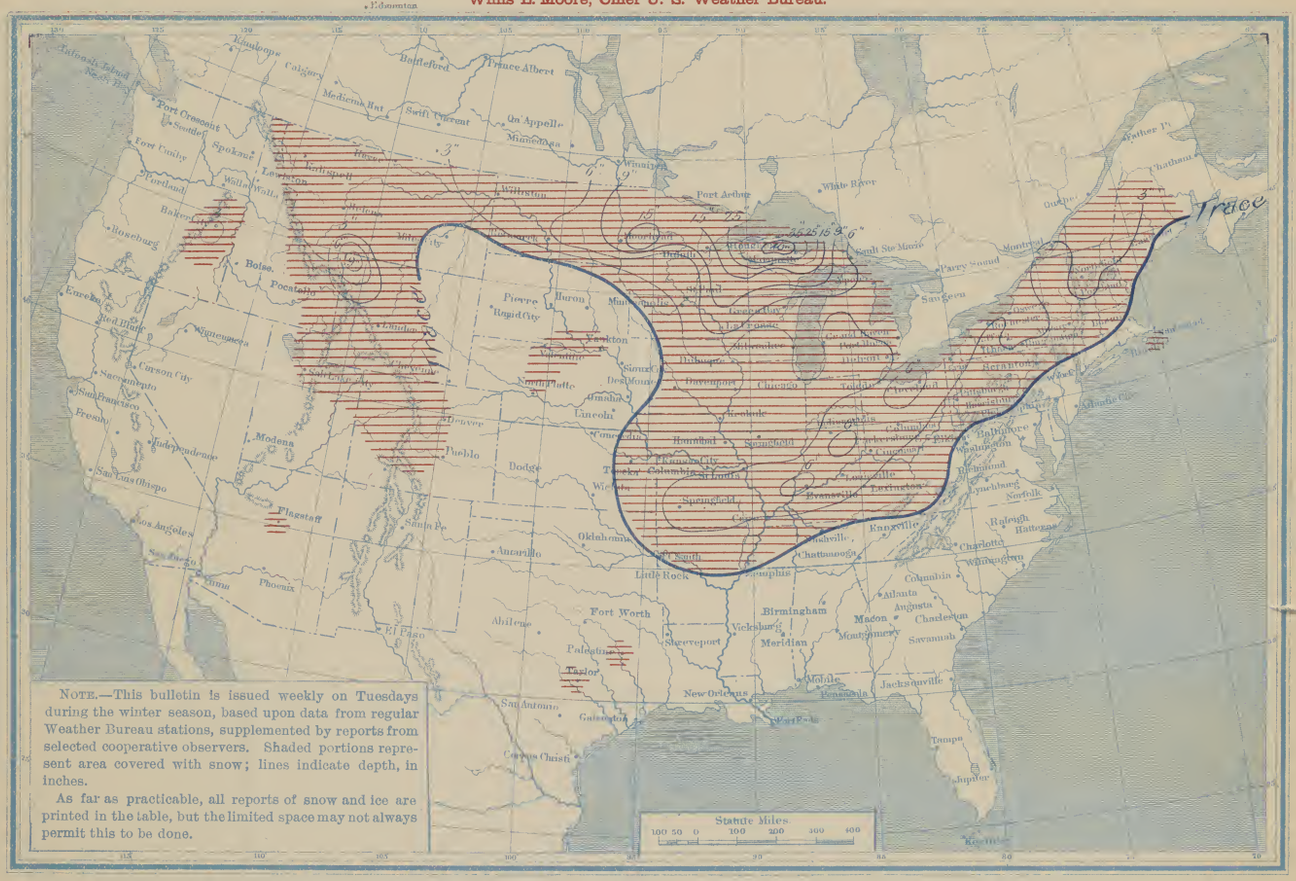

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WASHINGTON, D. C., *February 6, 1906.*

DEPTH OF SNOW.

The Ohio Valley, lower Lake region, and southern New England, which were free from snow on January 29, were covered to depths ranging from 3 to 6 inches at 8 p. m., February 5, when increased depths were reported in northern New England and over the northern portion of the upper Lake region. In the upper Missouri Valley and over the northern Rocky Mountain region considerable snow disappeared during the week, the depths at 8 p. m., February 5, being from 2 to 6 inches less than they were at the same hour on the 29th ultimo. The southern limit of snow at 8 p. m., February 5, extended to central Arkansas and thence eastward through Tennessee to southwestern Virginia and thence northeastward to the New England coast. Over a large part of the upper Mississippi and lower Missouri valleys, however, only traces were reported.

At the corresponding date of 1905 both the area covered and the depths reported were much greater than at this date. The southern limit then extended well into the interior of the Gulf States, reaching the Atlantic coast in the vicinity of Norfolk, Va., while the middle Rocky Mountain slope and lower Missouri and upper Mississippi valleys were covered to depths ranging from 2 to more than 12 inches. There was, however, at that time considerably less snow than there is at this date over the northern portion of the upper Lake region and in Minnesota and North Dakota.

ICE IN RIVERS, HARBORS, ETC.

The low temperature during the greater part of the week ending 8 p. m., February 5, 1906, caused a decided increase in ice formation in the northern districts, especially in the Lake region and upper Mississippi Valley, where the thickness reported at 8 p. m. of the 5th instant generally ranged from 2 to 6 inches greater than on January 29, 1906. The Missouri River is now frozen southward to Omaha, Nebr., with floating ice at Kansas City, Mo.; and while the Mississippi River is not frozen as far south as Davenport, Iowa, the ice is 15 inches thick above Dubuque, Iowa, from 4 to 6 inches having formed during the past week. At 8 p. m., February 5, ice in the Hudson at Albany, N. Y., was 2 inches thick, and in the Connecticut at Brattleboro, Vt., ice was 4 inches thick, none having been reported in these rivers on the 29th ultimo. In the rivers of Maine the increase, as compared with the measurements of last week, is slight.

The following special reports have been received by telegraph:

Gardiner, Me., February 5.—All ice operations are awaiting cold weather.

Concord, N. H., February 6.—There is a little shore ice, but the river is still open.

Albany, N. Y., February 6.—In the Mohawk Valley the snow depth ranges from 2 inches at Schenectady to 4 inches at Utica; in the Hudson Valley it ranges from 2 inches at Athens to 7 inches at Corinth. The ice averages about 2 inches in thickness in the Hudson and Mohawk rivers.

Washington, D. C., February 5.—Very thin floating shore ice is observed.

Davenport, Iowa, February 5.—There is considerable floating ice in the river.

Hannibal, Mo., February 5.—The river is full of heavy floating ice.

Kansas City, Mo., February 5.—There is thin floating ice in the river.

Omaha, Nebr., February 5.—The channel of the river is full of slush ice.

Sioux City, Iowa, February 6.—While the ice is 8 inches thick at the place of measurement, the river is clear in front of the city.

The ice conditions at 8 p. m., February 5, 1906, as compared with those existing at the corresponding period of last year, show a decided contrast. In 1905 the Missouri was frozen from its headwaters to its confluence with the Mississippi, and the Mississippi was frozen as far south as Cairo, Ill., where ice was 11 inches thick. Ice was from 5 to 8 inches thick in the upper Ohio, from Cincinnati to Pittsburg; 11 inches in the Susquehanna at Harrisburg, Pa.; 5 inches in the James at Lynchburg, Va.; and in the rivers of New England it ranged from 20 to more than 30 inches, or twice as much as there is at this time.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., FEBRUARY 5, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	T.	.....
Arkansas.		
Fort Smith	T.	0.0
Little Rock	T.	0.0
Colorado.		
Denver	T.	.....
Grand Junction	T.	.....
Pueblo	T.	.....
Connecticut.		
Hartford	T.	0.0
Delaware.		
Newark	T.	.....
Dist. of Columbia.		
Washington	.....	†
Illinois.		
Ashton	T.	.....
Bloomington	T.	.....
Cairo	3	0.0
Chicago	2	.....
Hillsboro	3	.....
La Salle	T.	.....
Olney	4	.....
Peoria	T.	3.0
St. John	3	.....
Springfield	2	.....
Indiana.		
Bloomington	4	.....
Evansville	6	0.0
Indianapolis	2	.....
Jeffersonville	3	.....
Lafayette	2	.....
Laporte	2	.....
Marion	5	.....
Princeton	5	.....
Rockville	2	.....
Seymour	6	.....
Iowa.		
Boone	T.	.....
Charles City	4	.....
Davenport	T.	*
Des Moines	T.	10.0
Dubuque	T.	15.0
Keokuk	T.	0.0
Sioux City	.....	8.0
Waterloo	5	.....
Kansas.		
Horton	T.	.....
Iola	T.	0.0
Manhattan	T.	.....
Ottawa	T.	.....
Topeka	T.	.....
Kentucky.		
Catlettsburg	2	.....
Frankfort	2	.....
Greensburg	1	.....
Hopkinsville	5	.....
Lexington	3	.....
Louisville	3	0.0
Paducah	2	.....
Maine.		
Bangor	.....	12.0
Danforth	T.	.....
Eastport	T.	12.0
Gardiner	1	8.0
Lewiston	1	14.0
Portland	T.	.....
Maryland.		
Fallston	T.	.....
Massachusetts.		
Boston	T.	.....
Nantucket	T.	0.0
North Adams	1	.....
Michigan.		
Alpena	3	16.0
Battle Creek	T.	.....
Big Rapids	1	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
Michigan—Cont'd.	*Inches*	*Inches*
Calumet	32	.....
Carsonville	4	.....
Chatham	34	.....
Detroit	1	6.0
Escanaba	12	13.5
Grand Haven	4	1.0
Grand Rapids	2	.....
Houghton	31	18.0
Humboldt	48	.....
Ironwood	36	.....
Lansing	1	.....
Marquette	41	4.0
Onaway	8	.....
Port Huron	3	5.0
Saginaw	3	.....
Sault Ste. Marie	4	19.0
St. Ignace	6	.....
South Haven	3	.....
Minnesota.		
Bird Island	T.	.....
Detroit City	18	.....
Duluth	11	22.0
Farmington	4	.....
Fergus Falls	6	.....
Hinckley	2	.....
Minneapolis	2	.....
Moorhead	11	28.0
Morris	2	.....
Wabasha	5	.....
Missouri.		
Brunswick	T.	.....
Columbia	1	.....
Hannibal	1	*
Ironton	4	.....
Kansas City	T.	*
New Haven	3	.....
St. Louis	2	0.0
Sedalia	1	.....
Springfield	4	.....
Montana.		
Kalispell	T.	.....
Miles City	T.	.....
Nebraska.		
North Platte	T.	.....
Omaha	.....	3.0
Valentine	T.	.....
New Hampshire.		
Bethlehem	2	.....
Concord	T.	†
Groveton	5	.....
New York.		
Addison	2	.....
Albany	2	2.0
Auburn	3	.....
Beaver	3	.....
Binghamton	2	.....
Buffalo	3	2.5
Cooperstown	1	.....
DeRuyter	3	.....
Franklinville	4	.....
Geneva	2	.....
Herkimer	3	.....
Ithaca	3	.....
Jamestown	5	.....
Lowville	5	.....
Malone	1	.....
New York	T.	.....
Ogdensburg	3	.....
Oswego	3	5.5
Rochester	4	3.5
Rome	4	.....
Saranac Lake	2	.....
Shortsville	2	.....
Syracuse	3	.....
Watertown	3	.....
Wedgwood	1	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
North Dakota.	*Inches*	*Inches*
Bismarck	6	32.0
Devils Lake	5	.....
Williston	4	25.0
Ohio.		
Bangorville	6	.....
Cincinnati	4	0.0
Cleveland	6	2.0
Coalton	3	.....
Columbus	4	3.0
Garrettsville	5	.....
Greenville	4	.....
Manara	4	.....
Philo	4	.....
Portsmouth	2	.....
Sandusky	5	4.5
Tiffin	8	.....
Toledo	1	4.0
Wauseon	2	.....
Oregon.		
Baker City	4	.....
Pennsylvania.		
Aleppo	2	.....
Easton	T.	.....
Erie	4	2.5
Gordon	2	.....
Greenville	4	.....
Hanover	T.	.....
Harrisburg	1	0.0
Mifflintown	2	.....
Pittsburg	3	0.0
St. Marys	2	.....
Scranton	1	.....
Selins Grove	2	.....
State College	2	.....
Williamsport	2	.....
Rhode Island.		
Providence	T.	0.0
South Dakota.		
Huron	.....	19.0
Pierre	.....	15.0
Yankton	T.	.....
Tennessee.		
Memphis	T.	0.0
Nashville	T.	.....
Texas.		
Palestine	T.	.....
Taylor	T.	.....
Utah.		
Salt Lake City	1	.....
Vermont.		
Brattleboro	2	4.0
Northfield	3	.....
St. Johnsbury	4	.....
Virginia.		
Blacksburg	T.	.....
Wytheville	T.	.....
West Virginia.		
Charleston	1	.....
Grafton	1	.....
Morgantown	2	.....
New Martinsville	3	.....
Parkersburg	2	0.0
Wisconsin.		
Ashland	18	.....
Burnett	3	.....
Green Bay	3	10.0
La Crosse	7	15.0
Madison	T.	.....
Medford	10	.....
Portage	3	.....
Racine	3	.....
Wyoming.		
Cheyenne	T.	.....
Lander	1	.....
Yellowstone Park	9	.....

* Floating ice. † Shore ice. T. indicates trace.

Feb. 7, 1905

U. S. DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU.

SNOW AND ICE BULLETIN.

PUBLISHED BY AUTHORITY OF THE SECRETARY OF AGRICULTURE.

Willis L. Moore, Chief U. S. Weather Bureau.

NOTE.—This bulletin is issued weekly on Tuesdays during the winter season, based upon data from regular Weather Bureau stations, supplemented by reports from selected voluntary observers. Shaded portions represent area covered with snow, lines indicate depth, in inches.

As far as practicable, all reports of snow and ice are printed in the table, but the limited space may not always permit this to be done.

WASHINGTON, D. C., *February 7, 1905.*

DEPTH OF SNOW.

The area covered with snow at 8 p. m., February 6, was greater than at any previous date of the winter and the depths reported from the upper Lake region and northern New England were also greater than at any earlier date. Westward of the Mississippi River the southern limit on February 6 was from 200 to 400 miles farther south than on January 30. Eastward of the Mississippi the southern limit was also farther south but, the difference was much less marked and diminished depths, as compared with those of the 30th ultimo, were shown over portions of the Middle Atlantic States, Kentucky, and Tennessee. Elsewhere within the area covered the depths reported on February 6 were materially greater than those of the 30th ultimo.

The whole of the winter wheat area is now amply protected, the depths generally ranging from 3 inches to more than 1 foot, and northwestern Texas and eastern New Mexico are covered to depths ranging from 3 to 8 inches.

At the corresponding date of 1904 a large part of the central valleys and the southeastern Rocky Mountain slope, now covered to depths ranging from 3 to 10 inches, were entirely free from snow, but there was more snow in portions of the middle Plateau region and at some stations in the Lake region than there is at this time. The depths now reported from the Ohio Valley and Middle Atlantic States are greater than those of the corresponding date of 1904.

ICE IN RIVERS, HARBORS, ETC.

The low temperatures of the past week have caused a material increase in the thickness of ice in all northern districts east of the Rocky Mountains. The measurements made at 8 p. m., February 6, show increases over those of January 31, generally ranging as follows: In the Missouri River, from 0 to 5 inches; in the upper Mississippi, from 1.5 to 2 inches; in the Ohio River, from 2 to 8 inches; at stations along the Great Lakes, from 1 to 7 inches; and in the rivers of New England, from 1.5 to 2 inches. In the Missouri River ice now ranges from 12 to 29 inches; in the Mississippi, from 10 to 24 inches; in the upper Ohio, from 5 to 8 inches; at Lake stations, from 10 to 26 inches, and in the rivers of New England, from 14 to 24 inches.

The following special reports have been received by telegraph:

Brattleboro, Vt., February 6.—Ice crop all in.

Albany, N. Y., February 7.—In Mohawk Valley snow ranges from 6 inches at Mohawk to 12 inches at Schenectady. In Hudson Valley from 6 inches at Stuyvesant and Cedar Hill to 10 inches at Athens. Ice in Mohawk River is 14 inches thick at Schenectady; in Hudson from 15 inches at Cedar Hill and Stuyvesant to 16 inches at Athens and 17 inches at Coeymans.

Harrisburg, Pa., February 6.—Snow over Susquehanna and Juniata valleys averages about 9 inches deep near the rivers and is reported much deeper in the mountains. River and tributaries generally icebound.

Louisville, Ky., February 7.—River gorged above city.

Evansville, Ind., February 7.—River bank full of ice.

Cairo, Ill., February 7.—Ohio River nearly full of moderately heavy ice.

Nashville, Tenn., February 6.—Small amount of floating ice. Navigation resumed.

Hannibal, Mo., February 6.—Channel continues open in front of city.

St. Louis, Mo., February 6.—Natural ice formation 10 inches in thickness, irregular masses 6 feet thick.

Cairo, Ill., February 6.—Mississippi River continues gorged and frozen over. Thickness of ice varies from 6 to 16 inches.

Memphis, Tenn., February 7.—River full of heavy slowly moving ice.

Vicksburg, Miss., February 6.—River half full of floating ice.

Kansas City, Mo., February 6.—River still open in front of city.

Milwaukee, Wis., February 7.—Ice broken by tugs.

Duluth, Minn., February 6.—Lake ice ranges from 3 to 13 inches in thickness in a solid field for at least 70 miles.

In the more northerly districts there is decidedly less ice than there was at the corresponding date last year, but over the central portions of the country there is now much more.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., FEBRUARY 6, 1905.

Stations.	Snow.	Ice in rivers, harbors, etc.	Stations.	Snow.	Ice in rivers, harbors, etc.	Stations.	Snow.	Ice in rivers, harbors, etc.
	Inches	Inches		Inches	Inches		Inches	Inches
Arizona.			*Michigan*—Cont'd.			*North Carolina.*		
Flagstaff	10	.....	Hillsdale	9	.....	Charlotte	2	.....
Arkansas.			Houghton	26	15.0	Raleigh	1	.....
Fort Smith	2	0.0	Humboldt	33	.....	*North Dakota.*		
Little Rock	3	1.0	Lansing	7	.....	Bismarck	6	28.0
Colorado.			Manceiona	28	.....	Devils Lake	2	.....
Durango	8	.....	Marquette	28	9.0	Williston	1	29.0
Pueblo	1	.....	Port Huron	8	13.0	*Ohio.*		
Connecticut.			Saginaw	13	.....	Bangorville	6	.....
Hartford	14	14.0	Sault Ste. Marie	10	19.0	Cincinnati	1	5.0
New Haven	10	.....	South Haven	11	.....	Cleveland	5	14.0
Storrs	8	.....	Westbranch	20	.....	Coalton	3	.....
Delaware.			Wetmore	52	.....	Columbus	4	14.0
Millsboro	6	.....	*Minnesota.*			Garrettsville	6	.....
Dist. of Columbia.			Beaver Bay	20	3.5	Sandusky	3	15.0
Washington	4	.....	Duluth	7	26.0	Toledo	3	12.0
Illinois.			Farmington	10	.....	Wauseon	8	.....
Ashton	7	.....	Glencoe	8	.....	*Oklahoma.*		
Cairo	4	11.0	Minneapolis	4	.....	Oklahoma	3	.....
Chicago	8	.....	Moorhead	5	35.0	*Pennsylvania.*		
La Salle	5	.....	St. Paul	4	24.0	Easton	12	.....
Springfield	5	.....	Shakopee	5	.....	Erie	3	16.0
Winchester	6	.....	Two Harbors	19	6.0	Harrisburg	7	11.0
Winnebago	9	.....	*Mississippi.*			Marion	12	.....
Indiana.			Vicksburg	T.	0.0	Philadelphia	7	7.0
Bloomington	5	.....	*Missouri.*			Pittsburg	3	8.0
Evansville	3	0.0	Brunswick	9	.....	St. Marys	24	.....
Indianapolis	2	.....	Hannibal	8	16.0	Scranton	10	.....
Marion	6	.....	Ironton	8	.....	Williamsport	10	.....
Rockville	4	.....	Kansas City	7	12.0	*Rhode Island.*		
Syracuse	9	.....	Maryville	9	.....	Block Island	T.	4.0
Iowa.			St. Louis	4	10.0	Kingston	8	.....
Charles City	16	.....	*Montana.*			Providence	4	4.0
Davenport	6	19.5	Havre	8	.....	*South Carolina.*		
Des Moines	14	21.0	Miles City	3	.....	Columbia	T.	0.0
Dubuque	12	20.0	*Nebraska.*			*South Dakota.*		
Keokuk	7	18.5	Columbus	12	.....	Huron	4	24.0
Sioux City	12	13.5	Lincoln	10	.....	Pierre	3	22.0
Kansas.			Madison	14	.....	Rapid City	2	.....
Concordia	5	.....	North Platte	10	.....	Yankton	9	15.0
Dodge	2	.....	Omaha	10	17.0	*Tennessee.*		
Topeka	8	.....	Valentine	5	.....	Chattanooga	1	0.0
Wichita	2	.....	*Nevada.*			Memphis	3	0.0
Kentucky.			Carson City	2	.....	Nashville	5	.....
Hopkinsville	5	.....	*New Hampshire.*			*Texas.*		
Lexington	4	.....	Bethlehem	17	.....	Abilene	3	.....
Louisville	1	0.0	Chatham	24	.....	Amarillo	4	.....
Maine.			Concord	19	21.5	El Paso	3	.....
Bangor	12	24.0	Keene	18	.....	*Vermont.*		
Buckfield	30	.....	*New Jersey.*			Brattleboro	16	24.0
Eastport	6	32.0	Atlantic City	5	.....	St. Johnsbury	14	.....
Gardiner	20	22.0	Cape May	4	8.5	*Virginia.*		
Lewiston	35	23.0	*New Mexico.*			Blacksburg	3	.....
Millinocket	40	.....	Roswell	8	.....	Dale Enterprise	4	.....
Orono	15	.....	*New York.*			Fredericksburg	4	.....
Portland	23	.....	Addison	8	.....	Lynchburg	1	5.0
Maryland.			Albany	7	13.0	Richmond	2	2.5
Baltimore	5	11.0	Binghamton	9	.....	Stephens	3	.....
Easton	5	.....	Buffalo	4	12.0	Woodstock	2	.....
Fallston	8	.....	De Ruyter	15	.....	Wytheville	1	.....
Frederick	4	.....	Franklinville	12	.....	*West Virginia.*		
Mount St. Marys	5	.....	Herkimer	9	.....	Elkins	1	7.0
Oakland	11	.....	Ithaca	6	.....	New Martinsville	2	.....
Pocomoke	2	.....	Jamestown	13	.....	Parkersburg	2	6.0
Massachusetts.			Lowville	21	.....	Wheeling	2	.....
Adams	13	.....	New York	7	.....	*Wisconsin.*		
Boston	8	.....	Ogdensburg	19	.....	Ashland	16	.....
Concord	14	.....	Oswegatchie	21	.....	Grand Rapids	24	.....
Fitchburg	26	.....	Oswego	12	16.5	Green Bay	18	16.5
Mansfield	10	.....	Plattsburg	2	.....	La Crosse	11	22.0
Nantucket	6	6.0	Poughkeepsie	18	.....	Milwaukee	12	10.0
North Adams	15	.....	Rochester	14	12.0	Portage	14	.....
Michigan.			Rome	12	.....	Prentice	22	.....
Alpena	18	15.0	Saranac Lake	20	.....	Washburn	17	22.0
Big Rapids	10	.....	Saratoga	15	.....	Waupaca	24	.....
Detroit	7	15.0	Setauket	2	.....	*Wyoming.*		
Escanaba	12	19.0	Shortsville	14	.....	Cheyenne	7	.....
Grand Rapids	8	.....	Syracuse	8	.....	Yellowstone Park	2	.....

T. indicates trace.

U. S. DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU.

SNOW AND ICE BULLETIN.

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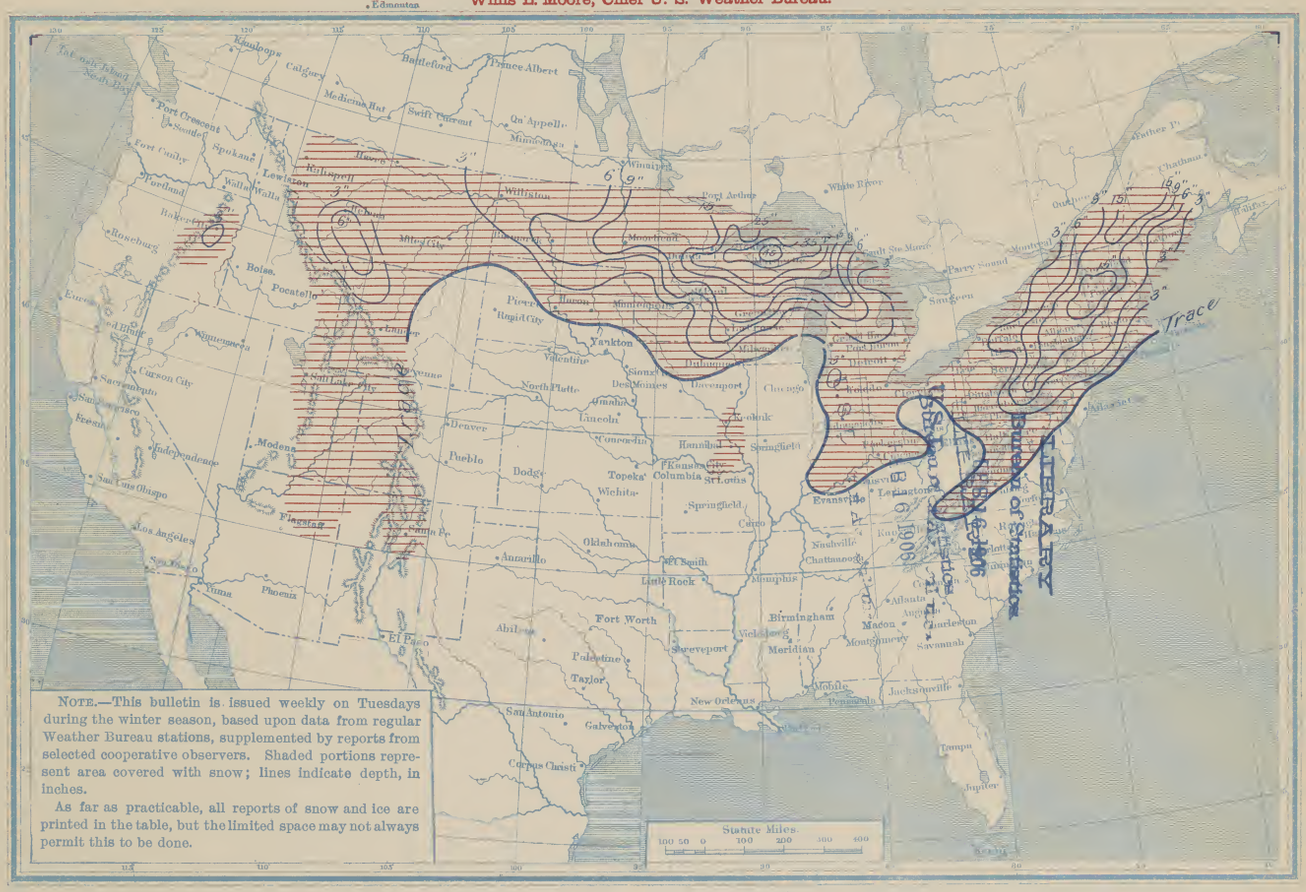
Willis L. Moore, Chief U. S. Weather Bureau.



NOTE.—This bulletin is issued weekly on Tuesdays during the winter season, based upon data from regular Weather Bureau stations, supplemented by reports from selected cooperative observers. Shaded portions represent area covered with snow; lines indicate depth, in inches.

As far as practicable, all reports of snow and ice are printed in the table, but the limited space may not always permit this to be done.

WASHINGTON, D. C., *February 13, 1906.*

DEPTH OF SNOW.

At 8 p. m., February 12, 1906, the area covered with snow was much smaller than that shown by the preceding bulletin, snow having wholly disappeared from a large part of the central valleys that was covered to depths ranging from 1 inch to 6 inches on the 5th instant. On the 5th, however, there was much less snow in the Middle Atlantic States and New England, the depths on the 12th instant ranging from 1 inch to more than 12 inches greater than were reported on the earlier date. There was also less snow on the 5th over the extreme western portion of the upper Lake region and at some stations in the northern Rocky Mountain districts than there was on the 12th.

As compared with the corresponding date of 1905 only the interior portions of New England and Middle Atlantic States and an area extending from the upper Michigan Peninsula westward to the upper Missouri Valley had more snow than in that year. On February 12, 1905, the southern limit of snow extended into northern Texas; the middle Rocky Mountain slope, the Missouri and upper Mississippi valleys, and the whole of the Lake region being covered to depths ranging from 3 to more than 20 inches, and like depths existed over the Middle Atlantic States and New England.

ICE IN RIVERS, HARBORS, ETC.

During the period from February 5 to 12, 1906, there was a material increase in the thickness of ice generally throughout the northern districts. At 8 p. m. on the latter date ice in the Missouri River ranged from 4.5 inches along the shore at Omaha, Nebr., to 34 inches at Bismarck, N. Dak., although the channel was open in places as far north as Yankton, S. Dak.; in the Mississippi ice ranged from 16 to 17 inches northward of Dubuque, Iowa, with shore ice at Davenport, Iowa, and floating ice as far south as Cairo, Ill.; in the rivers of northern New England ice ranged from 8 to 15 inches, the increase over the measurements made on the 5th instant generally ranging from 1 inch to 4 inches.

The following special reports have been received by telegraph:

Gardiner, Me., February 12.—The ice harvest commenced on the Kennebec today. About thirty thousand tons will be housed daily.

Albany, N. Y., February 13.—In the Mohawk Valley the snow depth averages 18 inches; in the Hudson Valley it ranges from 10 inches at Athens to 22 inches at Mechanicsville. The ice in the Hudson and Mohawk rivers averages about eight inches.

Washington, D. C., February 12.—Very thin ice is found on the shore of the river

Parkersburg, W. Va., February 12.—Floating ice is observed in the river.

Duluth, Minn., February 12.—The harbor is frozen solid, the ice being 17 to 27 inches thick; large detached fields extend twenty miles lakeward. The ice at Bayfield is 15 inches thick, with the field reaching four miles.

Davenport, Iowa, February 12.—Some shore ice is seen, but the channel of the river is clear.

Hannibal, Mo., February 12.—Heavy floating ice is observed in the river. Some 7-inch ice was harvested from the bay to-day.

St. Louis, Mo., February 12.—Heavy floating ice is observed in the river.

Cairo, Ill., February 12.—The Mississippi is nearly full of moderately heavy floating ice.

Omaha, Nebr., February 12.—Shore ice is 4.5 inches thick, with a small amount of running ice in the river channel.

Sioux City, Iowa, February 13.—The ice is 9 inches thick at the place of measurement, but the channel of the river remains open in front of the city.

Yankton, S. Dak., February 12.—The river channel is still open here, although it is frozen over within half a mile above.

Notwithstanding the general increase in ice formation during the past week there is, as compared with the corresponding date of 1905, decidedly less ice throughout the northern portions of the country, except in the upper Missouri in the vicinity of Bismarck and at a few stations in the northern portion of the upper Lake region, where a slight increase is shown.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., FEBRUARY 12, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	T.	.....
Colorado.		
Durango	T.	.....
Grand Junction	T.	.....
Connecticut.		
Hartford	6	0.0
New Haven	3	.....
Storrs	3	.....
West Cornwall	6	.....
West Simsbury	6	.....
Delaware.		
Newark	T.	.....
Dist. of Columbia.		
Washington	T.	†
Illinois.		
Ashton	T.	.....
Cairo	.....	*
Minonk	T.	.....
Olney	T.	.....
Peoria	.....	4.0
Indiana.		
Bloomington	T.	.....
Evansville	T.	0.0
Indianapolis	T.	.....
Lafayette	T.	.....
Laporte	T.	.....
Princeton	T.	.....
Rockville	T.	.....
Iowa.		
Boone	T.	.....
Charles City	4	.....
Davenport	.....	†
Des Moines	.....	10.0
Dubuque	.....	17.0
Estherville	1	.....
Keokuk	T.	0.0
Sioux City	.....	9.0
Waterloo	3	.....
Kentucky.		
Eubank	T.	.....
Louisville	T.	0.0
Maine.		
Bangor	4	15.0
Buckfield	8	.....
Cornish	7	.....
Danforth	7	.....
Eastport	T.	13.0
Gardiner	4	12.0
Lewiston	6	15.5
Millinocket	20	.....
Orono	3	.....
Portland	7	.....
Maryland.		
Baltimore	T.	2.0
Fallston	2	.....
Frederick	T.	.....
Massachusetts.		
Adams	6	.....
Amherst	8	.....
Boston	2	.....
Concord	5	.....
Fitchburg	6	.....
Mansfield	2	.....
North Adams	6	.....
Michigan.		
Alpena	2	18.0
Ann Arbor	T.	.....
Big Rapids	T.	.....
Calumet	35	.....
Carsonville	3	.....
Chatham	31	.....
Detroit	.....	9.0
Escanaba	12	17.5

Stations.	Snow.	Ice in rivers, harbors, etc.
Michigan—Cont'd.	*Inches*	*Inches*
Grand Haven	T.	0.0
Grand Marais	40	.....
Grand Rapids	T.	.....
Houghton	30	18.0
Humboldt	47	.....
Mackinaw City	2	.....
Mancelona	14	.....
Marquette	37	6.0
Port Huron	T.	9.0
Sault Ste. Marie	4	16.0
St. Ignace	8	.....
South Haven	4	.....
Minnesota.		
Alexandria	2	.....
Beaver Bay	30	.....
Bird Island	T.	.....
Duluth	13	25.0
Farmington	4	.....
Hinckley	27	.....
Little Falls	2	.....
Maple Plain	9	.....
Minneapolis	2	.....
Moorhead	11	30.0
Morris	2	.....
St. Paul	2	16.0
Missouri.		
Columbia	T.	.....
Hannibal	T.	*
St. Louis	.....	*
Montana.		
Havre	1	.....
Helena	7	.....
Kalispell	T.	.....
Miles City	1	.....
Nebraska.		
Omaha	.....	4.5
New Hampshire.		
Bethlehem	14	.....
Concord	5	9.5
Hanover	15	.....
Keene	7	.....
New Mexico.		
Santa Fe	1	.....
New York.		
Addison	2	.....
Albany	14	8.5
Beaver	4	.....
Binghamton	6	.....
Buffalo	T.	4.5
Cooperstown	14	.....
DeRuyter	6	.....
Franklinville	3	.....
Herkimer	14	.....
Ithaca	5	.....
Jamestown	1	.....
Malone	2	.....
New York	3	.....
Ogdensburg	3	.....
Oswego	2	9.0
Plattsburg	6	.....
Port Jervis	8	.....
Poughkeepsie	6	.....
Rochester	1	6.0
Rome	5	.....
Saranac Lake	5	.....
Setauket	3	.....
Shortsville	T.	.....
Southampton	T.	.....
Syracuse	2	.....
Watertown	2	.....
Wedgwood	2	.....
North Dakota.		
Bismarck	7	34.0

Stations.	Snow.	Ice in rivers, harbors, etc.
North Dakota—Con	*Inches*	*Inches*
Devils Lake	5	.....
Williston	4	28.0
Ohio.		
Bellefontaine	1	.....
Cincinnati	T.	0.0
Cleveland	T.	7.0
Coalton	T.	.....
Columbus	.....	6.0
Garrettsville	2	.....
Greenville	T.	.....
Manara	1	.....
Sandusky	T.	10.0
Tiffin	1	.....
Toledo	T.	6.0
Wauseon	1	.....
Oregon.		
Baker City	3	.....
Pennsylvania.		
Aleppo	T.	.....
Easton	4	.....
Ephrata	3	.....
Erie	T.	8.0
Gordon	12	.....
Harrisburg	6	0.0
Marion	2	.....
Mifflintown	3	.....
Philadelphia	1	2.5
Pittsburg	T.	0.0
Scranton	9	.....
Selins Grove	7	.....
State College	2	.....
Rhode Island.		
Kingston	T.	.....
Narragansett	T.	.....
Providence	T.	0.0
South Dakota.		
Huron	1	20.0
Pierre	T.	16.5
Utah.		
Salt Lake City	T.	.....
Vermont.		
Brattleboro	16	8.0
Burlington	13	.....
Northfield	19	.....
St. Johnsbury	14	.....
Virginia.		
Dale Enterprise	T.	.....
Fredericksburg	T.	.....
Lynchburg	T.	0.0
Mount Weather	3	.....
Stephens City	T.	.....
Woodstock	T.	.....
Wytheville	T.	.....
West Virginia.		
Grafton	T.	.....
Parkersburg	T.	*
Romney	T.	.....
Wisconsin.		
Ashland	18	.....
Bayfield	36	15.0
Grand Rapids	20	.....
Green Bay	1	13.0
La Crosse	7	16.0
Madison	T.	.....
Medford	12	.....
Mount Horeb	1	.....
Portage	1	.....
Stevens Point	14	.....
Washburn	30	18.0
Waupaca	10	.....
Wyoming.		
Lander	1	.....
Yellowstone Park	7	.....

* Floating ice. † Shore ice. T. indicates trace.

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W37S

Feb. 20, 1906

U. S. DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU.

SNOW AND ICE BULLETIN.

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FEB 19 1906
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PUBLISHED BY AUTHORITY OF THE SECRETARY OF AGRICULTURE.

Willis L. Moore, Chief U. S. Weather Bureau.

NOTE.—This bulletin is issued weekly on Tuesdays during the winter season, based upon data from regular Weather Bureau stations, supplemented by reports from selected cooperative observers. Shaded portions represent area covered with snow; lines indicate depth, in inches.

As far as practicable, all reports of snow and ice are printed in the table, but the limited space may not always permit this to be done.

WASHINGTON, D. C., *February 20, 1906.*

DEPTH OF SNOW.

During the week ending 8 p. m., February 19, 1906, considerable snow disappeared from nearly all sections, more particularly in portions of the Ohio Valley, lower Lake region, and southern Middle Atlantic States, a large part of the districts named now being entirely free from snow, or only covered to depths ranging from trace to 4 inches. Increased depths, however, are reported from the greater part of New England and some portions of the upper Lake region.

In comparison with the corresponding date of 1905, there is less snow at this date in all districts, excepting limited areas in the northern Plateau region, North Dakota, Minnesota, and portions of the Middle Atlantic States and New England, where slightly increased depths are reported.

ICE IN RIVERS, HARBORS, ETC.

At some stations on the Missouri and Mississippi rivers and generally throughout the Lake region and New England increased thickness of ice is reported during the week ending 8 p. m., February 19, 1906, while other stations on the rivers mentioned and some points in the lower Lake region, as well as in the Middle Atlantic States, show less ice. At 8 p. m. of the date named ice in the Missouri River ranged from 8 inches at Omaha, Nebr., to 35 inches at Williston, N. Dak., although the channel still continued open in places as far north as Yankton, S. Dak.; the Mississippi River is open south of Davenport, Iowa, with shore ice at Hannibal, Mo., and ice ranges from 15 to 16 inches in thickness north of Dubuque, Iowa; from 11 to 15 inches of ice are reported from the rivers of New England.

The following special reports have been received by telegraph:

Gardiner, Me., February 19.—The weather is very favorable and the housing of ice is being carried on successfully.

Albany, N. Y., February 20.—In the Mohawk Valley the snow depth averages 14 inches; in the Hudson Valley it averages 10 inches. The ice in the Hudson River averages 11 inches; in the Mohawk River it averages 9 inches.

Duluth, Minn., February 19.—The ice extends for 15 miles from Bayfield, Wis.

Hannibal, Mo., February 19.—The channel of the river is nearly free from floating ice at this point, but considerable shore ice remains.

Omaha, Nebr., February 19.—The river is practically closed here, although the channel is open in places. There is no running ice.

As compared with the corresponding date of 1905 there is at this date much less ice indicated in all districts throughout the northern portion of the country, except at Bismarck and Williston, N. Dak., on the upper Missouri River, from which stations increased ice formation is reported.

FRANK GILLAM, *Acting Chief Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., FEBRUARY 19, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	T.	.....
Colorado.		
Durango	T.	.....
Connecticut.		
Hartford	4	0.0
New Haven	T.	.....
West Simsbury	4	.....
Illinois.		
Peoria	.....	1.0
Winnebago	1	.....
Iowa.		
Carroll	2	.....
Charles City	6	.....
Des Moines	T.	12.0
Dubuque	1	15.0
Iowa City	T.	.....
Sioux City	T.	12.0
Maine.		
Bangor	8	15.0
Buckfield	10	.....
Eastport	2	13.5
Gardiner	11	13.0
Lewiston	12	16.0
Millinocket	25	.....
Orono	10	.....
Portland	7	.....
Massachusetts.		
Adams	6	.....
Amherst	9	.....
Boston	T.	.....
Concord	4	.....
North Adams	7	.....
Michigan.		
Alpena	5	18.5
Big Rapids	2	.....
Calumet	35	.....
Carsonville	2	.....
Chatham	28	.....
Detroit	.....	8.0
Escanaba	12	19.5
Grand Haven	T.	0.0
Grand Marais	37	.....
Grand Rapids	T.	.....
Houghton	28	18.0
Humboldt	50	.....
Iron River	20	.....
Mackinaw City	5	.....
Mancelona	13	.....
Port Huron	T.	9.0
Sault Ste. Marie	4	16.0
Sidnaw	40	.....
Minnesota.		
Duluth	11	25.0
Farmington	3	.....
Fergus Falls	6	.....
Minnesota—Cont'd.		
Hinckley	23	.....
Maple Plain	7	.....
Minneapolis	1	.....
Moorhead	8	34.0
St. Paul	1	16.5
Wabasha	4	.....
Missouri.		
Hannibal	.....	†
New Haven	T.	.....
Montana.		
Kalispell	T.	.....
Nebraska.		
Columbus	T.	.....
North Platte	T.	.....
Omaha	T.	8.0
St. Paul	1	.....
York	T.	.....
New Hampshire.		
Bethlehem	16	.....
Concord	5	12.5
Groveton	12	.....
Hanover	18	.....
Keene	8	.....
New York.		
Addison	T.	.....
Albany	10	13.0
Auburn	T.	.....
Beaver	3	.....
Binghamton	3	.....
Buffalo	T.	8.0
Cooperstown	10	.....
DeRuyter	5	.....
Franklinville	2	.....
Geneva	T.	.....
Herkimer	3	.....
Ithaca	T.	.....
Jamestown	T.	.....
Lowville	2	.....
Malone	3	.....
Ogdensburg	3	.....
Oswegatchie	6	.....
Oswego	1	9.5
Plattsburg	7	.....
Port Jervis	4	.....
Rochester	T.	6.0
Rome	4	.....
Saranac Lake	3	.....
Saratoga	12	.....
Setauket	T.	.....
Shortsville	T.	.....
Syracuse	T.	.....
Watertown	2	.....
Wedgwood	T.	.....
North Dakota.		
Bismarck	5	35.0
North Dakota—Con	*Inches*	*Inches*
Devils Lake	2	.....
Williston	1	25 0
Ohio.		
Bangorville	1	.....
Cleveland	T.	9.0
Garrettsville	T.	.....
Philo	T.	.....
Sandusky	.....	9.0
Toledo	.....	7.0
Oregon.		
Baker City	T.	.....
Pennsylvania.		
Aleppo	1	.....
Easton	2	.....
Ephrata	1	.....
Erie	.....	9.0
Harrisburg	T.	0.0
Mifflintown	T.	.....
Philadelphia	.....	1.5
Pittsburg	T.	0.0
St. Marys	T.	.....
Scranton	4	.....
State College	T.	.....
South Dakota.		
Huron	.....	18.5
Pierre	.....	16.0
Utah.		
Salt Lake City	T.	.....
Vermont.		
Brattleboro	20	11.0
Burlington	16	.....
Northfield	13	.....
St. Johnsbury	14	.....
Virginia.		
Burkes Garden	T.	.....
West Virginia.		
Elkins	T.	0.0
New Martinsville	T.	.....
Wisconsin.		
Ashland	17	20.0
Bayfield	30	17.0
Burnett	3	.....
Green Bay	5	14.0
La Crosse	5	15.0
Madison	1	.....
Medford	10	.....
Milwaukee	2	0.0
Mount Horeb	2	.....
Portage	3	.....
Racine	T.	.....
Stevens Point	15	.....
Washburn	30	20.0
Wyoming.		
Yellowstone Park	12	.....

† Shore ice. T. indicates trace.

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WEATHER BUREAU.

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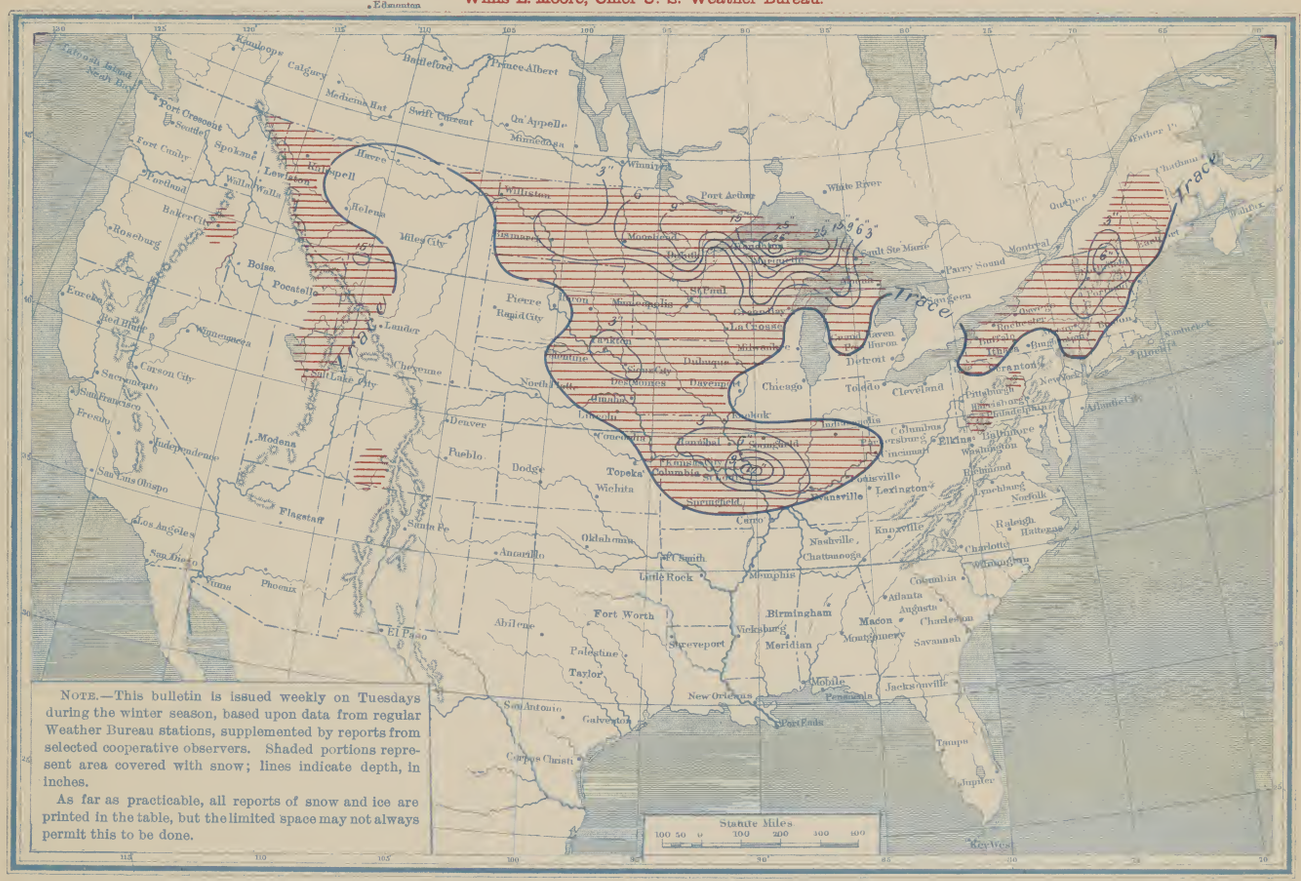

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WASHINGTON, D. C., *February 27, 1906.*

DEPTH OF SNOW.

While portions of the lower Missouri and central Mississippi valleys which were free from snow on the 19th instant were covered to depths ranging from 2 to 13 inches at 8 p. m. on the 26th, decidedly diminished depths were reported on the latter date in the upper Lake region, northern portion of the Middle Atlantic States, and in northern New England, where the decrease generally ranged from 3 to 18 inches.

At the corresponding date of 1905 there was much more snow in the Lake region, New England, and the northern portion of the Middle Atlantic States, but there was none in the lower Missouri and central Mississippi valleys which are now covered to depths ranging from 2 to 13 inches.

ICE IN RIVERS, HARBORS, ETC.

Under the mild temperature prevailing during the week ending 8 p. m., February 26, 1906, diminution in the thickness of the ice was reported from nearly all stations at which ice measurements are made. The Missouri River is now open northward to Yankton, S. Dak., and while the ice is still intact from Pierre, S. Dak., to Williston, N. Dak., the measurements at the former station and at Bismarck, N. Dak., show 4 and 9 inches, respectively, less than on the 19th instant. The Mississippi River continues frozen northward of Dubuque, Iowa, at which place there were 5 inches less than on the 19th; a decrease of 4 inches is shown at Saint Paul, Minn., with no change at La Crosse, Wis. Reports from stations on or near the Great Lakes indicate a decrease, ranging from 1 inch to 9 inches, except along the northern shore of the upper Michigan Peninsula, where a slight increase is noted. There is no ice in the Hudson River south of Mechanicsville, N. Y., and none in the Connecticut River as far north as Brattleboro, Vt., where the ice was 11 inches thick on the 19th. In the rivers of Maine the ice ranges from 12 to 16 inches, but it is breaking up in places.

The following special reports have been received by telegraph:

Gardiner, Me., February 26.—The ice in the Kennebec is breaking up.

Albany, N. Y., February 27.—In the Hudson the ice is mostly broken up as far north as Mechanicsville. In the Mohawk River there is floating ice only.

Buffalo, N. Y., February 26.—There is no ice in the harbor, but there is floating ice in the Lake 8 inches thick.

Erie, Pa., February 27.—Ice in the harbor has broken up and is jammed at its entrance.

Cleveland, Ohio, February 26.—There is floating ice in the harbor, but a shift of the wind will carry it out.

Duluth, Minn., February 26.—Ice in this vicinity is 19.5 inches thick. Lake Superior is practically clear.

Des Moines, Iowa, February 26.—The ice is mostly out of the river.

Omaha, Nebr., February 26.—The river is clear at this point.

Sioux City, Iowa, February 27.—The ice is beginning to break here.

Yankton, S. Dak., February 26.—The ice above this place broke on the 22d and the channel here is now full of floating ice.

There is now decidedly less ice in all northern districts than there was at the corresponding date of 1905, the difference ranging from 4 to 13 inches in the Missouri River, from 7 to 19 inches in the upper Mississippi, and generally from 5 to 20 inches at stations on or near the Great Lakes and in the rivers of New England.

JAMES BERRY, *Chief of Climate and Crop Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., FEBRUARY 26, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.
Colorado.	*Inches*	*Inches*
Durango	T.	.....
Illinois.		
Ashton	T.	.....
Cairo	T.	0.0
Hillsboro	1	.....
Springfield	4	.....
Indiana.		
Evansville	3	0.0
Indianapolis	2	.....
Princeton	2	.....
Rockville	1	.....
Seymour	2	.....
Iowa.		
Atlantic	T.	.....
Boone	T.	.....
Charles City	T.	.....
Des Moines	T.	†
Dubuque	1	10.0
Estherville	T.	.....
Keokuk	2	0.0
Sioux City	5	*
Waverly	2	.....
Kentucky.		
Louisville	T.	0.0
Maine.		
Bangor	.....	16.0
Buckfield	T.	.....
Cornish	3	.....
Eastport	.....	12.0
Gardiner	2	*
Lewiston	T.	14.0
Orono	T.	.....
Massachusetts.		
Amherst	T.	.....
Michigan.		
Alpena	T.	18.5
Battle Creek	T.	.....
Calumet	28	.....
Chatham	24	.....
Detroit	.....	5.0
Escanaba	4	18.5
Grand Haven	T.	0.0
Grand Marais	30	.....
Grand Rapids	T.	.....
Houghton	22	19.5
Humboldt	37	.....
Iron River	20	.....
Mancelona	6	.....
Marquette	29	1.0
Port Huron	.....	2.5

Stations.	Snow.	Ice in rivers, harbors, etc.
Michigan—Cont'd.	*Inches*	*Inches*
Sault Ste. Marie	2	16.0
Minnesota.		
Beaver Bay	16	.....
Duluth	2	19.5
Hinckley	13	.....
Maple Plain	1	.....
Minneapolis	T.	.....
Moorhead	6	34.0
Morris	T.	.....
St. Paul	T.	12.0
Two Harbors	24	.....
Wabasha	2	.....
Missouri.		
Brunswick	4	.....
Columbia	1	.....
Hannibal	5	0.0
Ironton	T.	.....
Kansas City	T.	0.0
Maryville	2	.....
New Haven	7	.....
St. Louis	13	0.0
Sedalia	2	.....
Springfield	T.	.....
Trenton	2	.....
Montana.		
Kalispell	T.	.....
Nebraska.		
Columbus	1	.....
Falls City	T.	.....
Lincoln	1	.....
Omaha	T.	0.0
St. Paul	T.	.....
Tekamah	2	.....
Valentine	1	.....
New Hampshire.		
Bethlehem	4	.....
Concord	T.	9.5
Groveton	7	.....
Hanover	4	.....
Keene	1	.....
New York.		
Albany	T.	0.0
Buffalo	1	0.0
Cooperstown	T.	.....
DeRuyter	T.	.....
Franklinville	T.	.....
Geneva	T.	.....
Ithaca	T.	.....
Jamestown	T.	.....
Le Roy	T.	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
New York—Cont'd.	*Inches*	*Inches*
Malone	1	.....
Oswego	T.	7.0
Port Jervis	T.	.....
Poughkeepsie	1	.....
Rochester	T.	0.0
Saratoga	4	.....
Syracuse	T.	.....
Watertown	1	.....
North Dakota.		
Bismarck	4	26.0
Devils Lake	1	.....
Williston	T.	24.5
Ohio.		
Cincinnati	2	0.0
Cleveland	.....	†
Oregon.		
Baker City	T.	.....
Pennsylvania.		
Erie	.....	*
Greenville	T.	.....
Saegerstown	T.	.....
Selins Grove	T.	.....
Somerset	1	.....
South Dakota.		
Huron	T.	15.5
Pierre	.....	12.0
Rapid City	T.	.....
Yankton	3	†
Utah.		
Salt Lake City	T.	.....
Vermont.		
Brattleboro	2	0.0
Burlington	T.	.....
Northfield	1	.....
St. Johnsbury	8	.....
Wisconsin.		
Ashland	T.	19.0
Bayfield	24	15.0
Burnett	1	.....
Green Bay	.....	7.5
La Crosse	T.	15.0
Madison	1	.....
Medford	2	.....
Milwaukee	T.	0.0
Mount Horeb	1	.....
Portage	T.	.....
Stevens Point	8	.....
Washburn	12	19.0
Wyoming.		
Yellowstone Park	15	.....

* Ice breaking up. † Floating ice. T. indicates trace.

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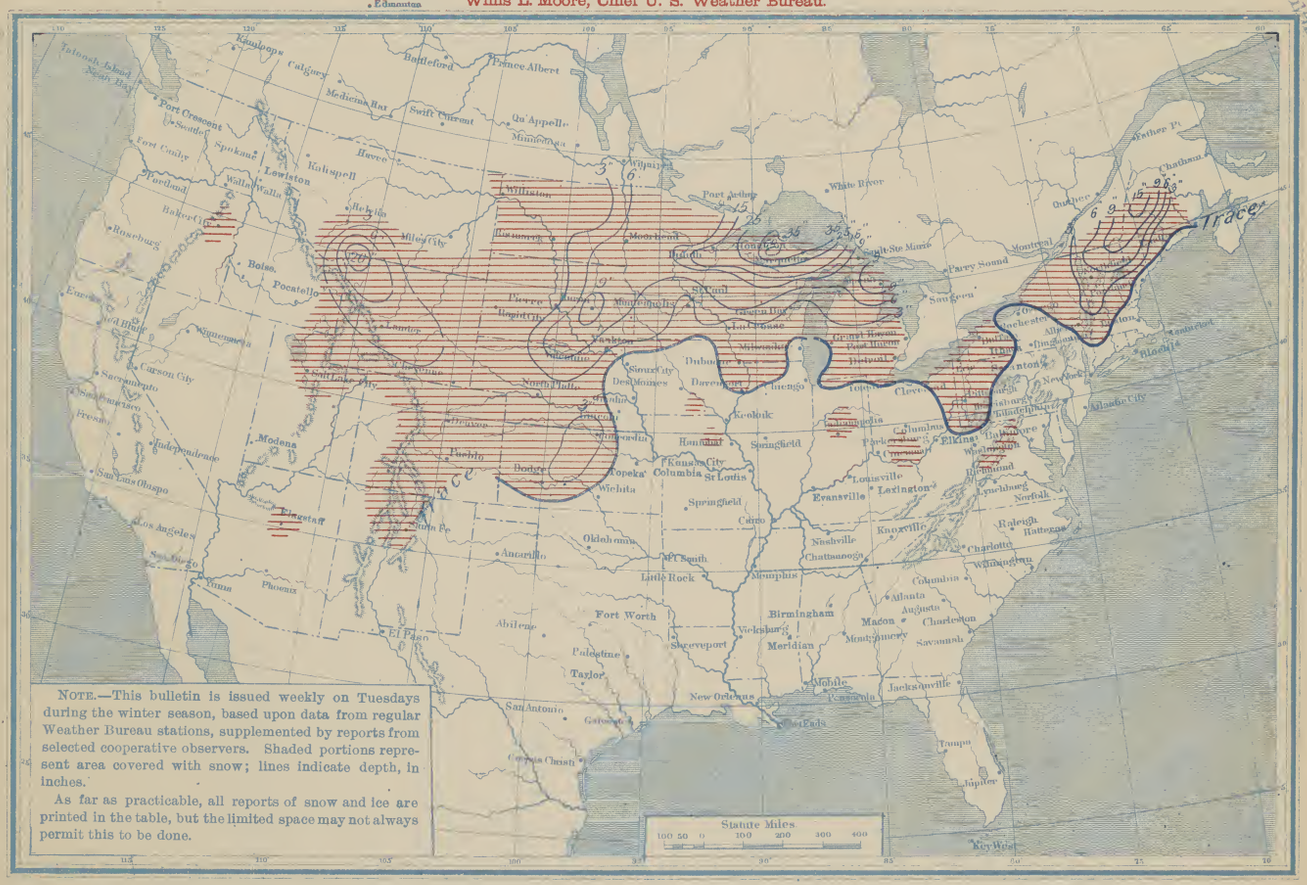

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WASHINGTON, D. C., *March 6, 1906.*

DEPTH OF SNOW.

The lower Missouri and central Mississippi valleys, which at 8 p. m. on February 26, 1906, were covered with snow ranging in depth from 3 to more than 12 inches, were free from snow at 8 p. m., March 5, 1906, while on the latter date a large part of the northeastern Rocky Mountain slope, which was free from snow on February 26, was covered to depths ranging from 1 inch to 6 inches. Over the northern portions of the upper Mississippi Valley and upper Lake region decidedly increased depths were reported on March 5 as compared with those of February 26, and a slight increase was generally reported in the lower Lake region and northern New England. As usual at this season, the greatest depths exist over the Upper Michigan Peninsula, from 30 to 60 inches being reported along the southern shores of Lake Superior.

At the corresponding period of 1905 there was much more snow in New England than there is at this time, but over the Upper Michigan Peninsula there was less. Portions of the Middle Atlantic States, now free from snow, were then covered to depths ranging from 1 inch to 3 inches, while the northeastern Rocky Mountain slope, now covered to depths ranging from 1 inch to 9 inches, was without snow.

ICE IN RIVERS, HARBORS, ETC.

At most reporting stations in northern New England the ice measurements made at 8 p. m., March 5, 1906, as compared with those made at the same hour on February 26, 1906, indicate a slight increase. While a slight increase is also indicated at some stations in the Lake region, other stations in that region report diminished thickness. In the upper Mississippi River a slight decrease is reported, while in the upper Missouri the conditions remain practically unchanged. In the rivers of Maine ice generally ranges from 12 to 17 inches in thickness; at stations on or near the upper Lakes, from 4 to 20 inches; in the upper Mississippi River, from 8 inches at Dubuque, Iowa, to 14 inches at La Crosse, Wis.; and in the upper Missouri, from 12 inches at Pierre, S. Dak., to 26 inches at Bismarck, N. Dak., with slush ice at Yankton, S. Dak., and floating ice at Omaha, Nebr.

The following special reports have been received by telegraph. The telegram from Detroit, Mich., relates to the conditions existing throughout the Great Lakes, and is based upon a large number of reports collected at that station:

Brattleboro, Vt., March 5.—The ice harvest is completed.

Albany, N. Y., March 6.—There is no snow in the Mohawk Valley, except a trace at Fort Plain; in the Hudson Valley the snow ranges from a trace at Athens to 5 inches at Corinth. Ice in the Hudson River is mostly broken and floating as far north as Glens Falls; there is only floating ice in the Mohawk River.

Buffalo, N. Y., March 5.—There is no ice in the harbor; broken ice outside of the breakwater is 6 inches thick.

Detroit, Mich., March 6.—In Lake Superior there is very little field ice. Chequamegon Bay is solid. In Whitefish Bay ice is broken up and is moving with the wind. In Lake Michigan there are practically no ice fields, and ice is confined to Green Bay and the Straits and is not heavy. In Lake Huron ice fields are confined to the southern portion and are broken up and moving. There is not much ice in Lake Erie, the fields being confined to the extreme eastern and western portions, and those in the western portion are broken up and moving with the wind. There are no ice fields in Lake Ontario, except in the west end. As a whole there is less ice in the Great Lakes than there has been for many years at this time.

Duluth, Minn., March 5.—A three-mile field ice pack is beginning to move lakeward; ice in the harbor ranges generally from 14 to 20 inches in thickness.

Omaha, Nebr., March 5.—The river at this point is nearly full of floating ice.

Sioux City, Iowa, March 6.—The river here is clear of ice.

Yankton, S. Dak., March 5.—Slush ice jammed on the 26th and has frozen over thinly during the past few days; the thickness is not obtainable.

At the corresponding date of 1905 there was much more ice than at this time in all northern districts eastward of the Mississippi, and also at some stations on the upper Missouri River, but in the Red River of the North and the Dakota River there is somewhat more at this date.

JAMES BERRY, *Chief of Climatological Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., MARCH 5, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	T.	.....
Colorado.		
Denver	2	.....
Durango	T.	.....
Pueblo	1	.....
Connecticut.		
West Cornwall	1	.....
Illinois.		
Ashton	1	.....
Chicago	T.	.....
Winnebago	1	.....
Indiana.		
Indianapolis	T.	.....
Laporte	T.	.....
Marion	T.	.....
Iowa.		
Albia	T.	.....
Davenport	T.	0.0
Dubuque	1	8.0
Estherville	T.	.....
Waterloo	T.	.....
Kansas.		
Concordia	3	.....
Dodge	2	.....
Ellinwood	4	.....
Manhattan	2	.....
Wakeeney	2	.....
Kentucky.		
Catlettsburg	T.	.....
Maine.		
Bangor	2	17.0
Danforth	2	.....
Eastport	T.	12.0
Lewiston	3	16.0
Millinocket	15	.....
Orono	3	.....
Massachusetts.		
Fitchburg	T.	.....
Michigan.		
Alpena	10	19.0
Ann Arbor	T.	.....
Battle Creek	T.	.....
Calumet	40	.....
Carsonville	T.	.....
Chatham	25	.....
Detroit	T.	0.0
Escanaba	12	20.5
Grand Haven	T.	0.0
Grand Marais	36	.....
Grand Rapids	T.	.....
Houghton	29	19.5
Humboldt	60	.....
Michigan—Cont'd.		
Iron River	30	.....
Mackinaw City	6	.....
Marquette	39	0.0
Onaway	9	.....
Port Huron	T.	4.0
Sault Ste. Marie	7	16.0
Minnesota.		
Bird Island	3	.....
Duluth	8	18.0
Farmington	4	.....
Hinckley	20	.....
Maple Plain	5	.....
Minneapolis	1	.....
Moorhead	7	34.0
Morris	6	.....
St. Paul	2	10.0
Wabasha	3	.....
Missouri.		
Macon	T.	.....
Nebraska.		
Lincoln	T.	.....
North Platte	1	.....
Omaha	.....	†
Valentine	6	.....
New Hampshire.		
Concord	1	6.5
Groveton	7	.....
Hanover	3	.....
Keene	1	.....
New Mexico.		
Santa Fe	T.	.....
New York.		
Albany	T.	0.0
Beaver	1	.....
Buffalo	1	0.0
Cooperstown	T.	.....
DeRuyter	T.	.....
Franklinville	1	.....
Jamestown	1	.....
Malone	1	.....
Ogdensburg	T.	.....
Rochester	.....	1.0
Saranac Lake	1	.....
Saratoga	1	.....
Shortsville	T.	.....
Watertown	T.	.....
Wedgwood	T.	.....
North Dakota.		
Bismarck	2	26.0
Devils Lake	1	.....
Williston	T.	23.0
Ohio.		
Bangorville	1	.....
Cleveland	T.	0.0
Coalton	T.	.....
Garrettsville	1	.....
Manara	T.	.....
Tiffin	T.	.....
Toledo	T.	0.0
Wauseon	T.	.....
Oregon.		
Baker City	T.	.....
Pennsylvania.		
Aleppo	T.	.....
Claysville	T.	.....
Erie	2	0.0
Pittsburg	T.	0.0
St. Marys	T.	.....
State College	T.	.....
South Dakota.		
Huron	9	13.5
Pierre	1	12.0
Rapid City	1	.....
Yankton	4	*
Utah.		
Salt Lake City	2	.....
Vermont.		
Brattleboro	3	3.0
Northfield	4	.....
St. Johnsbury	8	.....
Virginia.		
Dale Enterprise	T.	.....
Mount Weather	T.	.....
Woodstock	T.	.....
West Virginia.		
Grafton	T.	.....
Morgantown	T.	.....
New Martinsville	T.	.....
Romney	T.	.....
Wisconsin.		
Green Bay	1	4.0
La Crosse	1	14.0
Madison	T.	.....
Medford	6	.....
Mount Horeb	2	.....
Portage	T.	.....
Stevens Point	8	.....
Waupaca	4	.....
Wyoming.		
Cheyenne	2	.....
Lander	4	.....
Yellowstone Park	23	.....

* Slush ice. † Floating ice. T. indicates trace.

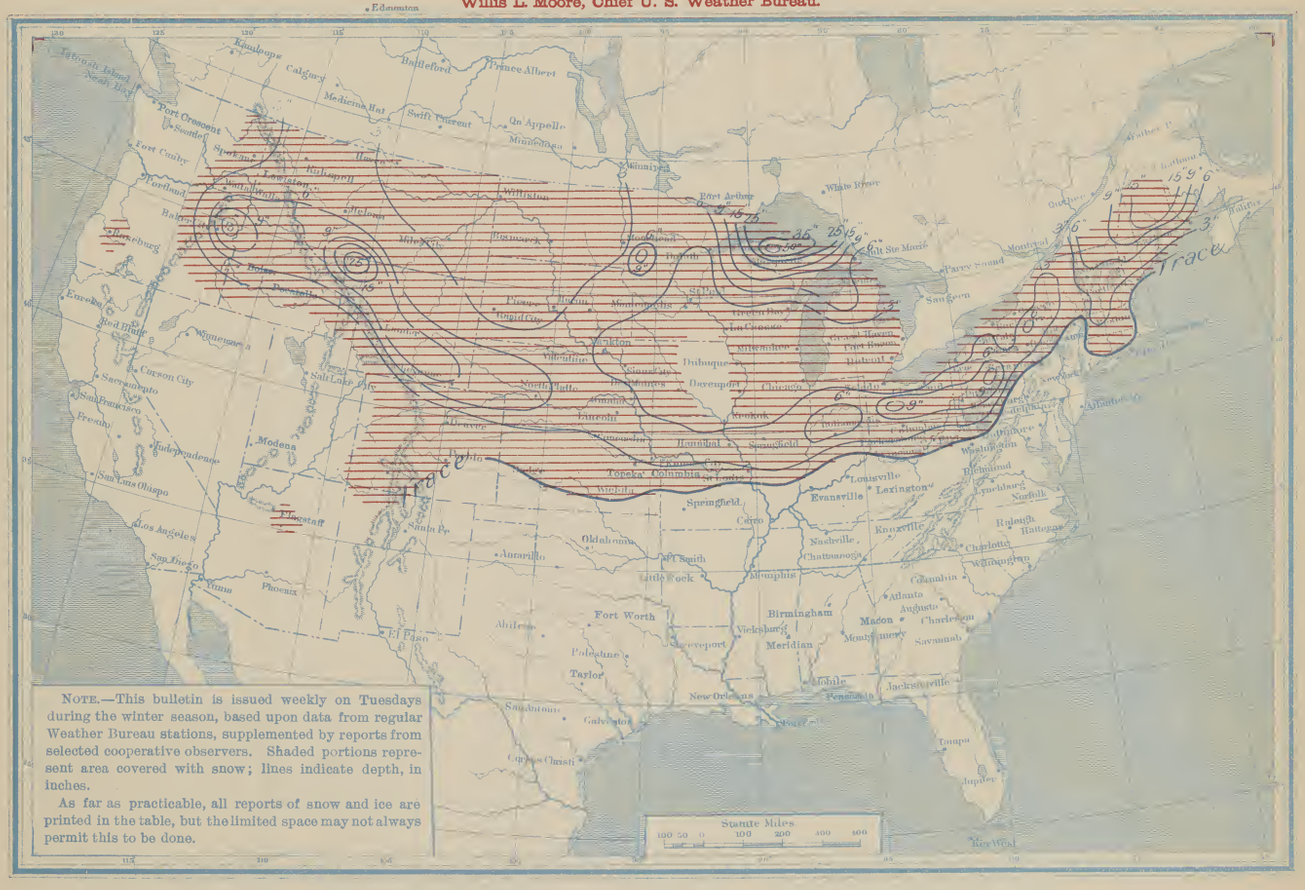
U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

SNOW AND ICE BULLETIN.

PUBLISHED BY AUTHORITY OF THE SECRETARY OF AGRICULTURE.

Willis L. Moore, Chief U. S. Weather Bureau.



NOTE.—This bulletin is issued weekly on Tuesdays during the winter season, based upon data from regular Weather Bureau stations, supplemented by reports from selected cooperative observers. Shaded portions represent area covered with snow; lines indicate depth, in inches.

As far as practicable, all reports of snow and ice are printed in the table, but the limited space may not always permit this to be done.

WASHINGTON, D. C., *March 13, 1906.*

DEPTH OF SNOW.

At 8 p. m., March 12, 1906, the southern limit of snow extended from southeastern Colorado through the southern portions of Kansas and Missouri, thence generally along the Ohio River and through West Virginia, central Pennsylvania, and southeastern New York to the southern New England coast.

Comparison with the bulletin of the previous week shows diminished depths over the northern portion of the upper Lake region and in Minnesota and portions of the Dakotas, while generally throughout New England and the northern Rocky Mountain region increased depths are indicated. The lower Missouri and central Mississippi valleys, Indiana, and Ohio, which were almost wholly free from snow on March 5, were covered to depths ranging from 3 to 6 inches at 8 p. m. on March 12.

On March 12, 1905, the area covered was less than on the corresponding date of this year; the depths were also less, except in portions of the upper Lake region and New England, where they were somewhat greater.

ICE IN RIVERS, HARBORS, ETC.

The colder weather of the latter part of the week ending March 12, 1906, caused a slight increase in the thickness of ice at a number of stations in New England, the Lake region, and the upper Mississippi Valley. All stations on the upper Missouri River, however, show a decrease as compared with the measurements of March 5. At 8 p. m., March 12, 1906, ice in the rivers of Maine ranged from 10 to 18 inches; in the upper Mississippi, from 8 inches at Dubuque, Iowa, to 14.5 inches at La Crosse, Wis., and in the upper Missouri, from 9 inches at Pierre, S. Dak., to 20 inches at Bismarck, N. Dak.

The following special reports have been received by telegraph, the telegram from Detroit, Mich., relating to the conditions existing throughout the Great Lakes, and being based upon a large number of reports collected at that station:

Gardiner, Me., March 12.—The snow is 12 inches deep in drifts; conditions in the river range from open water to ice 10 inches in thickness.

Lewiston, Me., March 12.—One firm has harvested 26,400 tons of ice.

Brattleboro, Vt., March 12.—The ice is very unsafe.

Concord, N. H., March 13.—The river is open here.

Albany, N. Y., March 13.—The snow averages 2 inches in depth in the Mohawk Valley; in the Hudson Valley the snow ranges from a trace at Athens to 1 inch at Glens Falls. There is only floating and anchor ice in the Hudson and Mohawk rivers.

Buffalo, N. Y., March 12.—There is but little ice in the harbor; outside of the breakwater the Lake is covered with ice 6 inches in thickness.

Erie, Pa., March 13.—At the place of measurement the ice is 3 inches thick, but the west end of the harbor is open.

Duluth, Minn., March 12.—The Lake has been mostly clear of ice since the 7th; harbor ice ranges from 15 to 17 inches in thickness.

Detroit, Mich., March 13.—No ice fields reported over the western portion of Lake Superior, but over the extreme east portion and in Whitefish Bay ice fields are extensive. No change has taken place during the week at Sault Ste. Marie and in Green Bay. Lake Michigan is free of ice. At Straits of Mackinac ice is firmer as a result of the cold of last two days. In Lake Huron the ice fields are confined to the northern portion; in the southern portion fields are broken up and running into St. Clair River. In Lake Erie the ice field over the western end is firm with cold weather, and boats are using the south passage; over the eastern portion the fields extend farther west and ice is packed solid outside the breakwater at Buffalo. Buffalo harbor is free of ice. There are no ice fields in Lake Ontario.

Omaha, Nebr., March 12.—There is a large quantity of small ice running in the river here.

Yankton, S. Dak., March 12.—There is floating ice in the channel of the river at this point.

On March 12, 1905, there was much more ice than at this date in all northern districts east of the Mississippi, but in the Red River of the North, at some stations on the Missouri, and in the Dakota River there was less.

JAMES BERRY, *Chief of Climatological Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., MARCH 12, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*
Flagstaff	1	.....
Colorado.		
Denver	T.	.....
Durango	2	.....
Pueblo	T.	.....
Connecticut.		
Hartford	T.	.....
Storrs	2	.....
West Cornwall	3	.....
West Simsbury	2	.....
Idaho.		
Boise	6	.....
Lewiston	3	0.0
Illinois.		
Bloomington	2	.....
Chicago	1	.....
Hillsboro	4	.....
La Salle	1	.....
Minonk	2	.....
Olney	T.	.....
Peoria	2	0.0
Springfield	5	.....
Winnebago	T.	.....
Indiana.		
Indianapolis	6	.....
Lafayette	6	.....
Marion	6	.....
Rockville	5	.....
Iowa.		
Atlantic	2	.....
Boone	T.	.....
Davenport	T.	0.0
Des Moines	T.	0.0
Dubuque	1	8.0
Estherville	1	.....
Sioux City	1	0.0
Kansas.		
Concordia	2	.....
Dodge	T.	.....
Iola	T.	.....
McPherson	T.	.....
Manhattan	2	.....
Ottawa	1	.....
Topeka	2	.....
Wakeeney	1	.....
Wichita	T.	.....
Maine.		
Bangor	5	18.0
Buckfield	7	.....
Cornish	4	.....
Danforth	15	.....
Gardiner	12*	10.0
Lewiston	5	17.0
Millinocket	18	.....
Massachusetts.		
Adams	2	.....
Amherst	1	.....
Concord	1	.....
Fitchburg	1	.....
Mansfield	3	.....
Michigan.		
Alpena	4	8.0
Calumet	36	.....
Chatham	27	.....
Detroit	2	0.0
Escanaba	8	21.0
Grand Haven	T.	0.0
Grand Marais	30	.....
Grand Rapids	T.	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
Michigan—Cont'd.	*Inches*	*Inches*
Houghton	30	20.0
Humboldt	55	.....
Mancelona	8	.....
Marquette	40	2.0
Port Huron	1	5.5
Sault Ste. Marie	3	16.0
St. Ignace	5	.....
Minnesota.		
Detroit City	12	.....
Duluth	2	16.0
Farmington	T.	.....
Minneapolis	T.	.....
Moorhead	2	34.0
Morris	3	.....
St. Paul	T.	10.0
Wabasha	T.	.....
Missouri.		
Brunswick	5	.....
Columbia	2	.....
Hannibal	3	0.0
Kansas City	3	0.0
Maryville	3	.....
New Haven	1	.....
St. Louis	T.	0.0
Sedalia	1	.....
Trenton	4	.....
Montana.		
Havre	1	.....
Helena	5	.....
Kalispell	4	.....
Nebraska.		
Columbus	2	.....
Falls City	3	.....
Lincoln	5	.....
North Platte	6	.....
Omaha	3	†
St. Paul	3	.....
Tekamah	3	.....
Valentine	4	.....
New Hampshire.		
Bethlehem	5	.....
Concord	T.	0.0
Groveton	5	.....
Hanover	3	.....
Keene	1	.....
New York.		
Addison	1	.....
Auburn	3	.....
Beaver	2	.....
Binghamton	3	.....
Buffalo	2	0.0
Cooperstown	3	.....
DeRuyter	6	.....
Franklinville	3	.....
Herkimer	1	.....
Ithaca	2	.....
Jamestown	2	.....
Le Roy	3	.....
Lowville	4	.....
Malone	2	.....
Oswego	1	0.0
Plattsburg	2	.....
Rochester	1	0.0
Rome	2	.....
Saranac Lake	2	.....
Saratoga	2	.....
Shortsville	1	.....
Syracuse	3	.....

Stations.	Snow.	Ice in rivers, harbors, etc.
New York—Cont'd.	*Inches*	*Inches*
Watertown	2	.....
Wedgwood	1	.....
North Dakota.		
Bismarck	T.	20.0
Devils Lake	T.	.....
Williston	T.	19.0
Ohio.		
Bangorville	5	.....
Bellefontaine	10	.....
Cincinnati	T.	0.0
Cleveland	2	0.0
Coalton	2	.....
Columbus	5	0.0
Garrettsville	4	.....
Greenville	4	.....
Manara	2	.....
Sandusky	1	0.0
Toledo	1	0.0
Wauseon	2	.....
Oregon.		
Baker City	18	.....
Roseburg	T.	.....
Pennsylvania.		
Aleppo	3	.....
Claysville	3	.....
Emporium	4	.....
Erie	1	3.0
Greenville	5	.....
Pittsburg	6	0.0
St. Marys	5	.....
Saegerstown	3	.....
Selins Grove	1	.....
Skidmore	6	.....
South Eaton	5	.....
State College	9	.....
Rhode Island.		
Providence	T.	.....
South Dakota.		
Huron	3	11.0
Pierre	1	9.0
Rapid City	2	.....
Yankton	2	†
Vermont.		
Brattleboro	3	4.0
Northfield	4	.....
St. Johnsbury	7	.....
Washington.		
Spokane	T.	.....
Walla Walla	3	.....
West Virginia.		
Grafton	2	.....
Morgantown	3	.....
New Martinsville	T.	.....
Parkersburg	1	0.0
Wisconsin.		
Ashland	4	.....
Burnett	T.	.....
Green Bay	T.	0.0
La Crosse	T.	14.5
Madison	T.	.....
Medford	5	.....
Milwaukee	T.	0.0
Mount Horeb	T.	.....
Portage	T.	.....
Wyoming.		
Cheyenne	9	.....
Lander	10	.....
Yellowstone Park	29	.....

* In drifts. † Floating ice. T. indicates trace.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

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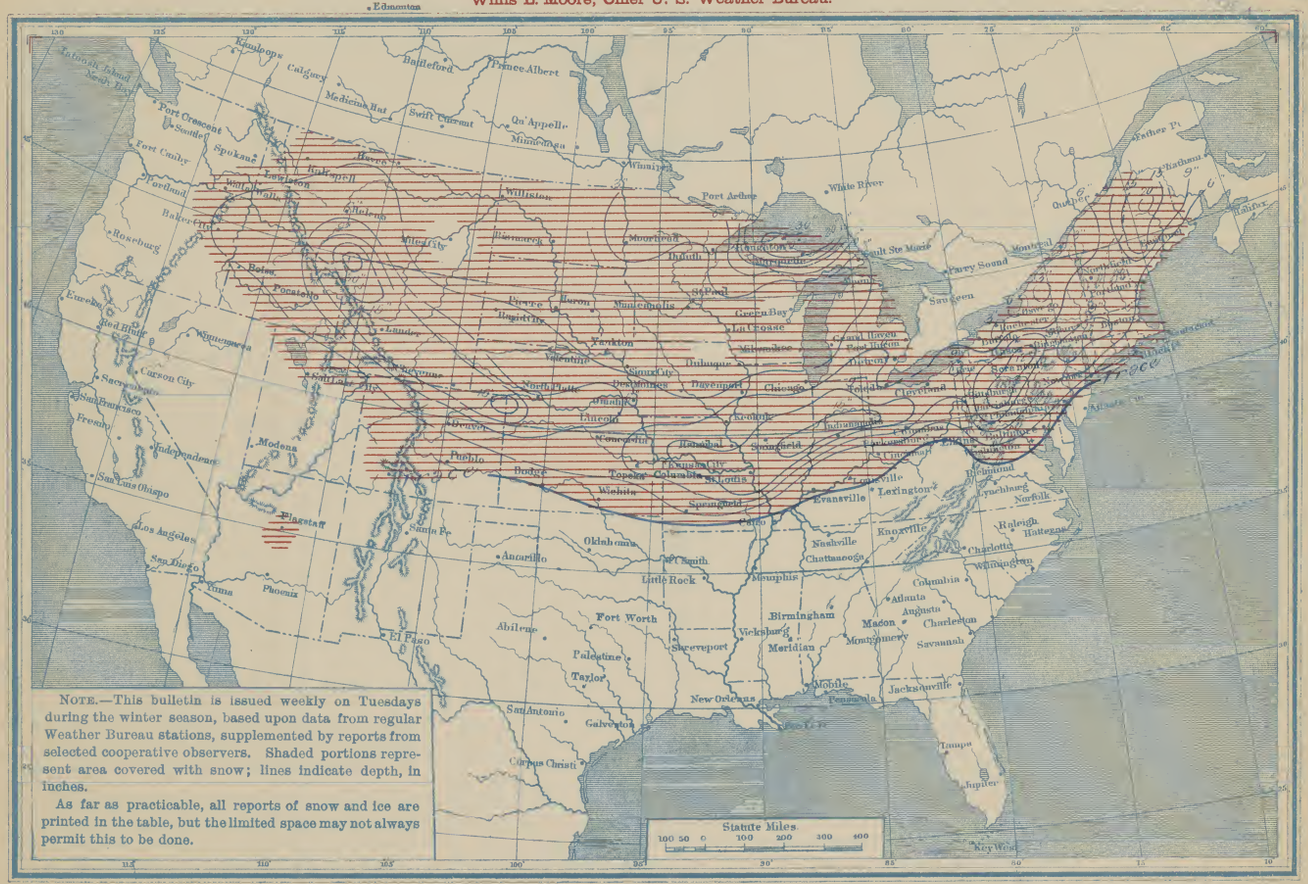
Willis L. Moore, Chief U. S. Weather Bureau.



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As far as practicable, all reports of snow and ice are printed in the table, but the limited space may not always permit this to be done.

WASHINGTON, D. C., *March 20, 1906.*

DEPTH OF SNOW.

The depth of snow at 8 p. m., March 19, 1906, was decidedly greater than it was at the same hour on March 12 from the lower Missouri and central Mississippi valleys eastward to New England, but as a whole the area covered was not materially greater. Over the central valleys and Middle Atlantic States the southern limit of snow in places was from 50 to 100 miles farther south than on the 12th, while there were several areas between the upper Lake region and the northern Rocky Mountain region free from snow on the 19th that were covered on the 12th. A feature of the accompanying map is the unusual depth, generally ranging from 6 to 15 inches, shown over a comparatively narrow belt, extending from the Rocky Mountains through the central valleys and northern portion of the Middle Atlantic States to northern New England, while farther north there is generally much less snow. Over the upper Michigan Peninsula, where great depths are not unusual at this season, somewhat diminished depths have been reported since the 12th. The heavy snowfall covering portions of Washington, Oregon, and Idaho on the 12th nearly all disappeared during the week.

On March 19, 1905, there was much less snow than on March 19, 1906, in all northern districts.

ICE IN RIVERS, HARBORS, ETC.

During the week ending March 19, 1906, cold weather, which began during the latter part of the previous week, caused a general increase in ice formation throughout the northern portion of the country. At 8 p. m., March 19, 1906, the Missouri River was frozen as far south as Omaha, Nebr., with 4 inches of ice at that place, the river having been open above Yankton, S. Dak., on the 12th. While the Mississippi was not closed to any considerable distance farther south on the 19th than on the 12th, the thickness of ice on the 19th ranged from 0.5 inch to 2 inches greater than on the 12th. Stations on or near the Great Lakes generally reported an increase ranging from 1 inch to 6 inches, and those on the rivers of New England, from 2 to 6 inches.

The following special reports have been received by telegraph, the telegram from Detroit, Mich., relating to the conditions existing throughout the Great Lakes, and being based upon a large number of reports collected at that station:

Gardiner, Me., March 19.—Ice from 8 to 16 inches in thickness is being harvested with much difficulty and at great cost.

Albany, N. Y., March 20.—The snow averages about 8 inches in depth in the Mohawk and Hudson valleys. The Hudson River is mostly open as far north as Troy; there is but little ice in the Mohawk River.

Buffalo, N. Y., March 19.—Ice in the harbor is 3.5 inches thick; the Lake is covered with ice as far as can be seen.

Erie, Pa., March 20.—Ice is 7 inches thick at the place of measurement, but the west end of the harbor is open. Field ice extends beyond the range of vision.

Cleveland, Ohio, March 19.—The harbor is free from ice; there are extensive ice fields in the Lake, with an average thickness of 6 inches.

Duluth, Minn., March 19.—Extensive fields, with the ice ranging from 3 to 5 inches in thickness, were observed from the afternoon of the 13th to the morning of the 16th. The Lake is now clear, but the harbor is solid with ice 15 to 19 inches thick.

Detroit, Mich., March 20.—Cold weather during the week ending March 19 has increased the area of ice in all of the Great Lakes with the exception of Lake Ontario. In Lake Superior the ice fields extend from Keweenaw Point to Whitefish Bay. Saint Marys river is solid. In Green Bay the ice has increased in thickness and small fields are reported as far south as the extreme southern portion of Lake Michigan. At the Straits of Mackinac the ice is solid and more extensive. In Lake Huron the ice fields are confined to the southern portion of the lake and extend beyond vision. The ice fields in Lake Erie are solid over the west end, and extend along the southern shore from Sandusky to Buffalo. No ice fields are reported in Lake Ontario.

Omaha, Nebr., March 19.—The river here is entirely closed, the channel being full of thinly frozen slush ice.

Yankton, S. Dak., March 19.—Slush ice in the channel of the river here is packed and thinly frozen over, making a measurement impracticable.

In the upper Mississippi and upper Missouri rivers there was considerably more ice on March 19, 1906, than there was at the corresponding date of 1905, but on the Great Lakes and in the rivers of New England there was decidedly less.

JAMES BERRY, *Chief of Climatological Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., MARCH 19, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.	Stations.	Snow.	Ice in rivers, harbors, etc.	Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*	*Michigan.*	*Inches*	*Inches*	*North Dakota.*	*Inches*	*Inches*
Flagstaff	T.	.....	Alpena	3	10.0	Bismarck	1	20.0
Colorado.			Battle Creek	4	.....	Devils Lake	T.	.....
Denver	4	.....	Big Rapids	T.	.....	Williston	1	23.0
Durango	T.	.....	Calumet	34	.....	*Ohio.*		
Pueblo	T.	.....	Carsonville	27	.....	Bellefontaine	6	.....
Connecticut.			Chatham	3	.....	Cincinnati	1	0.0
Hartford	10	0.0	Detroit	6	0.0	Cleveland	6	0.0
New Haven	7	.....	Escanaba	6	25.0	Coalton	4	.....
Storrs	5	.....	Grand Haven	1	0.0	Columbus	10	0.0
West Cornwall	6	.....	Grand Marais	32	.....	Greenville	15	.....
West Simsbury	5	.....	Grand Rapids	2	.....	Manara	4	.....
Delaware.			Houghton	28	20.0	Philo	5	.....
Newark	3	.....	Humboldt	47	.....	Sandusky	6	4.5
Dist. of Columbia.			Lansing	4	.....	Tiffin	7	.....
Washington	1	0.0	Marquette	37	7.5	Toledo	5	1.5
Idaho.			Port Huron	5	4.5	Wauseon	4	.....
Boise	T.	.....	Sault Ste. Marie	2	16.0	*Oregon.*		
Pocatello	4	24.0	*Minnesota.*			Baker City	5	.....
Illinois.			Duluth	2	17.0	*Pennsylvania.*		
Bloomington	7	.....	Maple Plain	1	.....	Aleppo	4	.....
Cairo	T.	0.0	Minneapolis	T.	.....	Claysville	5	.....
Chicago	4	.....	Moorhead	4	34.0	Easton	6	.....
Hillsboro	14	.....	Morris	2	.....	Ephrata	4	.....
La Salle	5	.....	St. Paul	T.	11.0	Erie	6	7.0
Monmouth	8	.....	*Missouri.*			Harrisburg	9	0.0
Olney	2	.....	Brunswick	12	.....	Mifflintown	13	.....
Peoria	4	1.5	Columbia	9	.....	Philadelphia	5	0.0
Springfield	12	.....	Hannibal	5	*	Pittsburg	4	0.0
Indiana.			Ironton	12	.....	St. Marys	8	.....
Evansville	T.	0.0	Kansas City	8	*	Saegerstown	9	.....
Indianapolis	15	.....	Macon	5	.....	Scranton	5	.....
Lafayette	10	.....	New Haven	9	.....	Selins Grove	14	.....
Laporte	5	.....	St. Louis	8	0.0	Somerset	10	.....
Marion	12	.....	Springfield	4	.....	South Eaton	12	.....
Princeton	2	.....	Trenton	7	.....	State College	12	.....
Rockville	13	.....	*Montana.*			*Rhode Island.*		
Iowa.			Havre	3	.....	Block Island	3	0.0
Atlantic	5	.....	Helena	5	.....	Kingston	2	.....
Boone	2	.....	Kalispell	T.	.....	Narragansett	3	.....
Carroll	2	.....	*Nebraska.*			Providence	6	0.0
Davenport	3	0.0	Falls City	5	.....	*South Dakota.*		
Des Moines	2	6.0	Imperial	16	.....	Huron	2	11.5
Dubuque	2	10.0	Lincoln	8	.....	Pierre	1	8.0
Iowa City	2	.....	Minden	6	.....	Rapid City	3	.....
Keokuk	6	0.0	North Platte	4	.....	Yankton	2	‡
Sioux City	T.	3.0	Omaha	5	4.0	*Tennessee.*		
Kansas.			St. Paul	7	.....	Chattanooga	T.	0.0
Concordia	3	.....	Tekamah	6	.....	*Utah.*		
Dodge	T.	.....	Valentine	4	.....	Salt Lake City	T.	.....
Iola	1	1.0	*New Hampshire.*			*Vermont.*		
Topeka	6	.....	Bethlehem	7	.....	Brattleboro	6	7.0
Wichita	1	.....	Concord	6	†	Burlington	T.	.....
Kentucky.			Hanover	5	.....	Northfield	10	.....
Lexington	T.	.....	Keene	5	.....	St. Johnsbury	7	.....
Louisville	T.	0.0	*New York.*			*Virginia.*		
Maine.			Addison	8	0.0	Fredericksburg	T.	.....
Bangor	9	20.0	Beaver	1	.....	Mount Weather	6	.....
Buckfield	6	.....	Binghamton	11	.....	Stephens City	4	.....
Cornish	8	.....	Buffalo	5	3.5	Woodstock	2	.....
Eastport	3	12.0	Cooperstown	4	.....	*Washington.*		
Gardiner	20	16.0	Cutchogue	2	.....	Walla Walla	T.	.....
Lewiston	8	19.0	DeRuyter	4	.....	*West Virginia.*		
Millinocket	20	.....	Franklinville	4	.....	New Martinsville	T.	.....
Orono	12	.....	Herkimer	4	.....	Parkersburg	T.	0.0
Maryland.			Ithaca	10	.....	*Wisconsin.*		
Baltimore	2	0.0	Jamestown	7	.....	Ashland	5	.....
Easton	1	.....	New York	8	.....	Green Bay	.....	6.0
Fallston	4	.....	Oswego	6	0.0	La Crosse	T.	15.0
Frederick	4	.....	Port Jervis	10	.....	Madison	2	.....
Massachusetts.			Poughkeepsie	10	.....	Medford	4	.....
Adams	4	.....	Rochester	5	1.5	Milwaukee	2	0.0
Amherst	8	.....	Rome	3	.....	Mount Horeb	1	.....
Boston	5	.....	Saratoga	2	.....	*Wyoming.*		
Fitchburg	14	.....	Setauket	2	.....	Cheyenne	11	.....
Mansfield	5	.....	Shortsville	1	.....	Lander	10	.....
Nantucket	5	.....	Syracuse	7	.....	Yellowstone Park	32	.....
North Adams	7	.....	Wedgwood	4	.....			

* Floating ice. † Shore ice. ‡ Slush ice. T. indicates trace.

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U. S. DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU.

SNOW AND ICE BULLETIN.

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Willis L. Moore, Chief U. S. Weather Bureau.

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WASHINGTON, D. C., *March 27, 1906.*

DEPTH OF SNOW.

Extensive areas in the central valleys and in the middle and northern Rocky Mountain regions that were covered with snow at 8 p. m., March 19, 1906, were free from snow at the same hour on the 26th, and diminished depths were reported within the area covered on the latter date, except in portions of northern New England and the eastern portion of the lower Lake region, where increased depths were indicated. In central and western Pennsylvania, central and northern New York, and over the greater part of New England the depths on the 26th ranged from 6 to 9 inches, more than 15 inches being reported from the interior of northern New England. Over the central portions of the upper Michigan Peninsula the depths ranged from 20 to more than 40 inches.

Both the area now covered and the depths reported are greater than in the preceding year at this date.

ICE IN RIVERS, HARBORS, ETC.

At 8 p. m., March 26, 1906, there was less ice in the upper Missouri and upper Mississippi rivers than there was at the same hour on Monday of the preceding week. In the Missouri the decrease ranged from 0.5 inch at Pierre, S. Dak., and Sioux City, Iowa, to 2 inches at Bismarck, N. Dak., and Williston, N. Dak. The thickness of ice at these stations generally ranged from 2 to 21 inches, with slush ice at Yankton, S. Dak., and floating ice at Omaha, Nebr., 4 inches having been reported at the latter station on the 19th instant. In the Mississippi, where the ice ranged from 9 to 13 inches between Dubuque, Iowa, and St. Paul, Minn., on the 26th, the decrease as compared with the measurements reported on the 19th, ranged from 1 inch at St. Paul and Dubuque to 2 inches at La Crosse, Wis. The reports from most stations on or near the Great Lakes on the 26th indicated a decrease as compared with measurements on the 19th, although the reports from some stations showed no change and a few a slight increase. In the rivers of Maine, where the ice ranged from 16 to 20 inches on the 19th, the conditions on the 26th were practically the same.

The following special reports have been received by telegraph, the telegram from Detroit, Mich., relating to the conditions existing throughout the Great Lakes, and being based upon a large number of reports collected at that station:

Gardiner, Me., March 26.—The harvesting of ice continues in a small way at several points along the Kennebec River.

Albany, N. Y., March 27.—Snow averages about 6 inches in the Hudson Valley; in the Mohawk Valley it ranges from 6 inches at Cohoes to 10 inches at Utica. The Hudson River is mostly open as far north as Troy; there is but little ice in the Mohawk River, except at Schenectady.

Buffalo, N. Y., March 26.—Broken ice in the lake extends beyond the range of vision.

Erie, Pa., March 27.—The harbor is partly open.

Cleveland, Ohio, March 26.—Ice in the lake and harbor is moving out.

Detroit, Mich., March 27.—With continued cold weather, the ice conditions in the Great Lakes have continued about the same as in the preceding week. In Lake Superior the ice fields have decreased over the western half, but over the eastern portion they extend from Whitefish Bay to Point Sable. No change in the St. Marys River is indicated. In Green Bay ice is solid. Ice fields exist in the southern part of Lake Michigan, Chicago harbor being blockaded. At the Straits of Mackinac ice is firm. Extensive fields cover the northern part of Lake Huron, but fields have moved out over the southern end. No change in Lake Erie is indicated. Winds have moved fields to the south shore of Lake Ontario, and more ice is reported in that lake than at any previous time this winter. As compared with last season, there is less ice in Lake Superior, and somewhat more in Lakes Erie, Michigan, and Ontario.

Dubuque, Iowa, March 26.—The ice moved down about 100 feet on the 26th.

Des Moines, Iowa, March 26.—The ice is free from the shore and is unsafe.

Omaha, Nebr., March 26.—Ice in the river broke and ran out on Sunday night. Light ice is running to-day.

Yankton, S. Dak., March 26.—The river channel is still closed by thinly frozen packed slush ice; measurement is impracticable.

JAMES BERRY, *Chief of Climatological Division.*

DEPTH OF SNOW AND THICKNESS OF ICE AT 8 P. M., MARCH 26, 1906.

Stations.	Snow.	Ice in rivers, harbors, etc.	Stations.	Snow.	Ice in rivers, harbors, etc.	Stations.	Snow.	Ice in rivers, harbors, etc.
Arizona.	*Inches*	*Inches*	*Minnesota*—Cont'd.	*Inches*	*Inches*	*Ohio*—Cont'd.	*Inches*	*Inches*
Flagstaff	T.	.....	Moorhead	2	30.0	Manara	1	.....
Colorado.			St. Paul	.....	10.0	Philo	2	.....
Durango	T.	.....	Wabasha	T.	.....	Sandusky	.....	6.0
Connecticut.			*Missouri.*			Toledo	T.	1.0
Hartford	4	0.0	Hannibal	T.	0.0	Wauseon	1	.....
New Haven	3	.....	New Haven	T.	.....	*Pennsylvania.*		
West Cornwall	11	.....	*Nebraska.*			Aleppo	1	.....
West Simsbury	9	.....	Lincoln	T.	.....	Claysville	1	.....
Delaware.			Omaha	.....	†	Emporium	3	.....
Millsboro	T.	.....	St. Paul	1	.....	Ephrata	3	.....
Newark	T.	.....	*New Hampshire.*			Erie	1	4.5
Indiana.			Bethlehem	9	.....	Greenville	T.	.....
Indianapolis	T.	.....	Concord	6	0.0	Harrisburg	2	0.0
Marion	2	.....	Groveton	7	.....	Millintown	8	.....
Iowa.			Keene	6	.....	Philadelphia	T.	0.0
Des Moines	.....	†	*New York.*			Pittsburg	T.	0.0
Dubuque	.....	9.0	Addison	6	.....	St. Marys	8	.....
Sioux City	.....	2.5	Albany	3	0.0	Saegerstown	7	.....
Maine.			Auburn	2	.....	Selins Grove	11	.....
Bangor	7	20.0	Beaver	3	.....	State College	6	.....
Cornish	16	.....	Binghamton	2	.....	Williamsport	6	.....
Eastport	T.	10.0	Buffalo	T.	3.0	*Rhode Island.*		
Gardiner	18	16.0	Cooperstown	10	.....	Block Island	T.	0.0
Lewiston	12	19.0	Cutchogue	1	.....	Kingston	2	.....
Millinocket	28	.....	DeRuyter	8	.....	Narragansett	T.	.....
Orono	15	.....	Franklinville	6	.....	Providence	T.	0.0
Maryland.			Geneva	2	.....	*South Dakota.*		
Fallston	T.	.....	Herkimer	6	.....	Huron	T.	8.5
Frederick	1	.....	Ithaca	1	.....	Pierre	.....	7.5
Massachusetts.			Jamestown	2	.....	Yankton	.....	‡
Boston	2	.....	Malone	1	.....	*Vermont.*		
Fitchburg	11	.....	New York	1	.....	Brattleboro	10	11.0
Mansfield	5	.....	Oswego	2	3.5	Northfield	9	.....
Michigan.			Plattsburg	2	.....	*Virginia.*		
Alpena	1	0.0	Port Jervis	10	.....	Fredericksburg	T.	.....
Battle Creek	T.	.....	Poughkeepsie	4	.....	Lynchburg	T.	0.0
Calumet	32	.....	Rochester	2	0.0	Mount Weather	7	.....
Carsonville	5	.....	Saratoga	4	.....	Stephens City	3	.....
Chatham	27	.....	Setauket	1	.....	Williamsburg	T.	.....
Detroit	T.	0.0	Shortsville	5	.....	*West Virginia.*		
Escanaba	6	25.0	Southampton	T.	.....	Elkins	T.	0.0
Grand Marais	33	.....	Syracuse	3	.....	Grafton	T.	.....
Houghton	20	22.5	Wedgwood	10	.....	*Wisconsin.*		
Humboldt	46	.....	*North Dakota.*			Green Bay	.....	2.0
Mancelona	5	.....	Bismarck	T.	18.0	La Crosse	T.	13.0
Marquette	39	6.5	Devils Lake	T.	.....	Medford	3	.....
Port Huron	T.	5.5	Williston	.....	21.0	Mount Horeb	T.	.....
Sault Ste. Marie	1	16.0	*Ohio.*			*Wyoming.*		
Minnesota.			Bangorville	4	.....	Cheyenne	T.	.....
Duluth	1	18.5	Cleveland	T.	3.0	Lander	2	.....
Fergus Falls	T.	.....	Columbus	T.	0.0	Yellowstone Park	18	.....
Minneapolis	T.	.....	Garrettsville	2	.....			

† Floating ice. ‡ Slush ice. T. indicates trace.

NOTE.—This will be the last bulletin of this series for the season of 1905–6.